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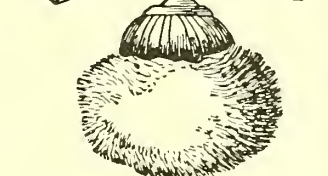
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Warne, W., & Co., Ltd.

Epsom Salts

Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, 'Sol, and Fruit

Alliance Drug & Chem. Co.
Barnett & Foster
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd.

Ethers

Baiss Bros. & Stevenson, Ltd.
Dameson, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil

Allan, A. E.
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators

Forshaw, E., & Son, Ltd.

Extract of Herbs

Newhall & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)

Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
Evansons Lescher & Webb, Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Brand, J. Davis & Co.
Ransom, W., & Son, Ltd.

Factory, &c., Sites

Great Western Railway

Feeding Bottles

Bush, H. W., & Co., Ltd.
Samson, Henry
Schutze, F., & Co., Ltd.

Filling Machines

Forgrove Machinery Co., Ltd.
Robert's Pat. Filling Mach. Co.

Flycatchers

Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Turnbridge & Wright

Foods, Invalid, &c.

Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Bentley's Food, Ltd.
Brand, J. Davis & Co.
British Milk Products Co., Ltd.
Fairchild Bros. & Foster
Fletcher, Fletcher & Co., Ltd.
Framo Food Co.
Harker, Stagg & Morgan, Ltd.
Horlick's Malted Milk Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Numol, Ltd.
Plasmon, Ltd.
Sister Laura's Infant Food Co.
Southall Bros. & Barclay, Ltd.
Wander, A., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.

Foot Appliances

Scholl Mfg. Co., Ltd.

Fruit Drink

McGlashan, D.

Fuller's Earth

Mumford, G. S., & Sons

Fumigators

Sanitas Co., Ltd.
Seahury & Johnson

Glauber Salts

Blythe, Wm., & Co., Ltd.

Glycerin

Price's Patent Candle Co., Ltd.

Glycerophosphates

Reitmeyer & Co.

Grease Paints

G. C. Syndicate, Ltd.
Quelch, Henry C., & Co.

Grease Remover

Perkin & Co., Ltd.

Grinders, Drng, &c.

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water

Woodward, W., Ltd.

Gums

Fink, F., & Co.
Kidston, W. M., & Co.

Hair Dyes

Harker, C. K., Stagg & Morgan

Hair Preparations

Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Dearborn Ltd.
Edwards' "Harlene" Co.
Harrison, G. W.
Osborne, Garrett & Co.
Intern. Aureoline
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.

Crew & Co.

Hat Cleaners

Christy, Thos., & Co.
Miner's Chemical Co.
Senior, Alfred, & Co.

Hat Dyes

Whitaker & Co.

Herbs

Potter & Clarke, Ltd.

Hexamethylenetetramine

Reitmeyer & Co.

Homeopathic Medicines

Ashton & Parsons, Ltd.
Keath & Ashwell, Ltd.
Lidd & Ross

Horse Remedies

Harvey & Co. (Dublin), Ltd.

Hot Air Douches

Ward & Goldstone

Hotels

Kingsley Hotel
Thackeray Hotel

Hot Water Bottles

Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Rood, W., & Son, Ltd.

Hydrogen Peroxide

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyer, T., & Co., Ltd.

Hypophosphites

May & Baker, Ltd.
Morson, T., & Son
Tyer, T., & Co., Ltd.

Ink, Dichroic

Bewley & Draper, Ltd.

Ink Powder

Webster, T., & Co.

Insecticides

Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder

Kesting, Thomas
Potter & Clarke, Ltd.
Raines & Co.

Iodides

Morson, T., & Son

Iodine

Burroughs Wellcome & Co.

Lard

Ewen, J., & Sons

Lavender Oil

Allen, Stafford, & Sons, Ltd.
Ransom, W., & Son, Ltd.

Lavender Water

Bush, W. J., & Co., Ltd.
Vinolia Co., Ltd.

Lead Salts

Blythe, Wm., & Co., Ltd.

Ligatures

Seabury & Johnson

Lime Juice and Cordial

Evansons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Idris & Co., Ltd.

Linseed, Crushed, &c.

Mumford, G. S., & Sons

Lints

Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

Liquorice Juice

Apollo
Boehm, F., Ltd.
Burgoyne, Burdicks & Co.
Droguerues & Huilleries Anver-soises, Ltd.
Evansons Lescher & Webb, Ltd.
Jackson, Ernest, & Co.
Solazzi

Lithia Salts

British Drug Houses, Ltd., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs

Hall Forster & Co., Ltd.
Intern. Sponge Importers, Ltd.
Solport Bros.
Swales, Thomas

Lozenges

Cartwright, W. B., Ltd.
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raines & Co.
Warrick Bros., Ltd.

Machinery, Pharmacal

Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Forgrove Machinery Co., Ltd.
Forsbaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Henry, T., & W.
Howards & Sons, Ltd.
Jennings, Thos.
Phillips, Chas. H., Chem. Co.
Tokalon Ltd.
Washington Chemical Co., Ltd.
Wigglesworth & Co.

Malt Extract and Preps.

Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Caldar, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
Evansons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascale, James, Ltd.
Smith, T. J., & Nephew, Ltd.

Manganates and Permanganates

Blythe, Wm., & Co., Ltd.

Marking Ink

John Bond ("Crystal Palace")

Measures, Graduated

Bush, H. W., & Co., Ltd.

Meat Extracts

Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils

Ward & Goldstone

Mercurials

Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyer, T., & Co., Ltd.
Whiffen & Sons, Ltd.

Metal Clips

Griffin, John J., & Sons, Ltd.

Methylated Spirit

Burroughs, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ltd.]
Riddle & Smith, Ltd.
Thornley, Samuel, Ltd.

Milk Sugar

Hollandsche Melksuikerfabrik

Mineral Waters

Canwall, Ltd.
Cheltenham Natural Water Co.
Idris & Co., Ltd.
Ingram & Royle, Ltd.

Mixers and Sifters

Gardner, Wm. & Sons (Glos.) Ltd.

Motor Carriers, Vans, &c.

Tilling, Thomas, Ltd.

Mustard Seed Oil

Johnson, J. H., & S.

Naphthalene

Burt, Boulton & Haywood, Ltd.

Night Lights

Price's Patent Candle Co., Ltd.

Oils, Essential

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Co., Ltd.
Evansons Lescher & Webb, Ltd.
London Essence Co.
Lueders, George, & Co.
Loppelreuter, W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ltd.

Oils, Mineral, Fatty, &c.

Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Price's Patent Candle Co., Ltd.

Ointments

Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.

Olive Oil Soap

Boehm, F., Ltd.

Optical Goods

Darton, F., & Co.
Nitsely & Gunther Optical Co., Ltd.
Raphael's, Ltd.
Standard Optical Co.

Optical Tuition

British Optical Institute, Ltd.
College of Optics
Spectacle Makers Company

Orange and Quinine Wine

Idris & Co., Ltd.
Miller, A. J., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organo-Therapeutic Preps.

Duncan, Flockhart & Co.

Otto of Rose (Synth.)

Bush, W. J., & Co., Ltd.
Givaudan, L.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ltd.

Otto Rose (French)

Gattefosse et Fils

Packed Goods

Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Caldar, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
Evansons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascale, James, Ltd.
Smith, T. J., & Nephew, Ltd.

Manganates and Permanganates

Blythe, Wm., & Co., Ltd.

Measures, Graduated

Razors
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Wright, Archd. J., Ltd.

Rennet Essence Powder, &c.
Lorimer-Marshall, Ltd.

Resins and Resinoids
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Morson, T., & Son
Ransom, W., & Son, Ltd.
Smith, T. & H., Ltd.

Respirators
Zimmer & Co.

Rubber Goods
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Rubber Stamps
Richford, C. D.

Salicylic Acid and Salicylates
Bush, W. J., & Co., Ltd.

Santonin
Smith, B. A., & Co.

Saponin
Field, C. W.

Scientific Apparatus
Perken, Son & Co., Ltd.
Phillips, J.
Reynolds & Branson, Ltd.

Sea Salt
Tidman & Son, Ltd.

Seed Dressing
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

Seeds
Potter & Clarke, Ltd.

Serums and Antitoxins
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Parke, Davis & Co.
Willcox, Joreau & Co.

Shampoo Powders
Standard Tablet & Pill Co., Ltd.

Shares
McAdam & Tuckniss

Sheep Dips
Burt, Boulton & Haywood, Ltd.
Tomlinson & Hayward, Ltd.

Shop Fittings
Ayrton-Graham, Ltd.

Signs, Electric, &c.
Universal Sign Works

Soap-making Plant
Forshaw, E., & Son, Ltd.

Shoulder Straps
Wood, Vincent

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.

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Allen & Hanburys, Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.

Spectacles

Darton, F., & Co.
Maw, S., Son & Sons
Nitscho & Gunther Optical Co., Ltd.

Spermaceti
Price's Patent Candle Co., Ltd.

Sphygmometers
Hicks, James J.

Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.

Spirit of Wine
Burroughs, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.

Sponges
Internl. Sponge Importers, Ltd.

Sprays
Benton & Stone, Ltd.
Burge, Warren & Ridgley, Ltd.

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Burge, Warren & Ridgley, Ltd.

Robinson & Sons, Ltd.
Seabury & Johnson
Southall Bros. & Barclay, Ltd.
Thermogene Co., Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

Suspensory Bandages
Bailey, W. H., & Sons

Syphons
Farnett & Foster
Camwall, Ltd.

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Farnett & Foster
Camwall, Ltd.

Tin Box Makers
Briton Ferry Canister Co., Ltd.
Goodall, Backhouse & Co.
Liverpool Tin Canister Co., Ltd.
Shirley Bros., Ltd.

Tin Salts
Blythe, Wm., & Co., Ltd.

Tinctures in Bond
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.

Tobacco
Singleton & Cole, Ltd.

Toilet Paper
Ayrton, Saunders & Co., Ltd.
Burgoyne, Burdidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

Trade Marks Agents
Barker, R. W.
Ford, Shapland & Co.
Raworth, John E.

Trusses
Bush, H. W., & Co., Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

Vacuum Pans
Bennett, Sons & Shears, Ltd.

Valuers
Baker, P. C.
Berdoe & Fish
Brett & Co.
Orridge & Co.
Tomlinson, T., & Son

Vanillin
Greiff, R. W., & Co.

Vaseline
Chesebrough Manfg. Co.

Vermin Killers
Christy, T., & Co.
Cupal, Ltd.
Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ltd.
Farmer, F., & Co.
Harley, Thomas
Harrison, G. W.
Hawker, Arthur E.
London Hygienic Chem. Co.
Milner's Chemical Co.

Veterinary Instruments
Mason Bros. & Chapman
Maw, S., Son & Sons

Veterinary Remedies
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Day & Sons (Crewe)
Dennis, John W.
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
Senior, Alf., & Co.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.

Vinegar
Grimble & Co.

Water Glass
Barclay & Sons, Ltd.
Tomlinson & Hayward, Ltd.

Water Still
Brown & Sons
Stokes, F. J., Machine

Waters, Concentrated
Robinson, B., & Co., Ltd.

Waxes
Boehm F., Ltd.
Price's Pat. Candle Co.

Weed Killers
Harrison, G. W.
Tomlinson & Hayward, Ltd.

Window Fittings
Ayrton-Graham, Ltd.

Window Tickets
Merten, F., & Co.

Wines, Medicated
Burroughs, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co., Ltd.
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.

Wines (Non-Alcoholic)
Welsh Grape Juice Co. Ltd.

Wrapping Machinery
Forgrove Machinery Co. Ltd.

Wrist Straps
Solport Bros.

Zinc Oxide
Hubbuck, T., & Son, Ltd.
Stevenson, H. E., & Co.

No Change in the Price of FELLOWS' SYRUP as a Result of the War

Notwithstanding the great increase in the cost of some of the ingredients of Fellows' Syrup, its price to the trade will not be increased at present, the Proprietors themselves assuming the extra expense.

THE FELLOWS MEDICAL MANUFACTURING CO., Ltd.,
Montreal and New York

Telegrams :
GREEFF, CANNON, LONDON.
Telephone :
8600 CITY (4 LINES.)

THAMES HOUSE,
QUEEN STREET PLACE,
LONDON, E.C.

*R. W. Greeff & Co. have the pleasure to
announce that they have succeeded in purchasing from
their friends in*

FRANCE

HOLLAND

SWITZERLAND

UNITED STATES

SUPPLIES OF VARIOUS

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

Whilst the purchase prices have been largely increased since the outbreak of war, quotations will be found reasonable under present conditions.

Enquiries are invited for the following:—

ACETANILID
ACETYL SALICYLIC ACID
BENZOIC ACID EX GUM
BROMIDE OF POTASSIUM
BROMIDE OF SODIUM
BROMIDE OF AMMONIUM
COUMARIN CRYSTALS
CREOSOTE CARBONATE
DIAMIDOPHENOL HYDROCHLOR
FORMALDEHYDE
GLYCERINE
GUAIACOL CARBONATE
HELIOTROPIN
HYDROQUINONE
ISAROL

LITHIA CARBONATE
LITHOL
MERCURIALS
PEPPERMINT OIL
PEPSINE
PHENACETIN
PHENAZONE
PYROGALLIC ACID RESUBLIMED
PHENOLPHTHALEIN
POTASSIUM SULPHO-GUAIACOLATE
SALOL
SUGAR OF MILK
THEOBROMINE PURE ALKALOID
VANILLIN
WINTERGREEN ARTIFICIAL OIL

R. W. GREEFF & Co.

THAMES HOUSE,
QUEEN ST. PLACE,
LONDON, E.C.

QUININE

MAARSSSEN

BRAND



ESTABLISHED 1903.

Sole Sales Agents : R. W. GREEFF & Co.,
THAMES HOUSE,
QUEEN STREET PLACE,
LONDON, E.C.

The MAARSSSEN FACTORY (situated near UTRECHT)
in Holland, has at present the largest production in Europe of

QUININE AND QUININE SALTS

The QUALITY, CRYSTALLISATION, and COLOUR
of their production are the highest attained.

Supplies are available to the Trade.

Hitherto most of the output has been absorbed by a limited
number of buyers who recognised its superiority and uniformity.

Prices and samples on application.

For
**FOUNTAIN
PENS**
and all Pens
the Best.

Dichroic Ink

Makes
Writing
Easy

Proprietors:

Bewley & Draper, Ltd., Dublin.

PASCALL'S

GOLDEN MALTEX

Contains
25%
Pure
Malt
Extract



of
especial
food value
for
Children.

6d. & 1/-
BOTTLES.

4 ozs. 3½d.

¶ Pascall's Golden Maltex is admirably suited for sale by Chemists, owing to its nutritive and restorative qualities.

¶ Order through your Wholesale Druggist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

SCOTT'S

EMULSION



**PROTECTED PROFIT. QUICK
SALES—NO BAD STOCK.
REPEAT ORDERS AND
SATISFIED CUSTOMERS**

Never was SCOTT'S Emulsion more widely advertised than at the present moment. The opportunity, to secure a fair share of the season's demand for this preparation, is one that few enterprising pharmacists can afford to neglect.

**SCOTT & BOWNE, Ltd., 10-11, Stonecutter St.,
LONDON, E.C.**

Why it pays to sell SCOTT'S.

SCOTT'S Emulsion reflects credit on the seller and gives satisfaction to the buyer.

It bears a good protected profit, yet is advertised all over the United Kingdom.

It is the only emulsion with a 37 years' reputation for value and quality.

It sells quickly on sight—involving little trouble and no losses.

It is one of the few advertised products, costly to manufacture, that yields fair remuneration to the retailer.

Therefore, to sell SCOTT'S not only pays, but encourages the principles of fair trade and good protected profits.

OUR
VERY
LATEST
LINE

Maw's

No. 157

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.



Page.

OCT. 17, 1914

TOPICAL
SHOWCARD
SENT
GRATIS

NOTES & NEWS

Here is a little story told by Mr. J. M. N. Jeffries, the famous war correspondent now in France. "I went into a little shop," he writes, "and while I was there a soldier . . . came in. He was straight from the front; his appearance betokened it.

Around one of his hands was a rough dressing soaked with blood. "Are you much hurt?" I asked. "Two fingers shot away," he said. "Hadn't you better get your hand properly dressed?" I asked. "I

THE ADJOINING ANNOUNCEMENT REGARDING CAPSULES IS OF EXCEPTIONAL INTEREST.

think I'll have a shave first," he replied.

This narrative relates a typical example of British pluck, and incidentally illustrates the importance placed upon a shave by our troops.

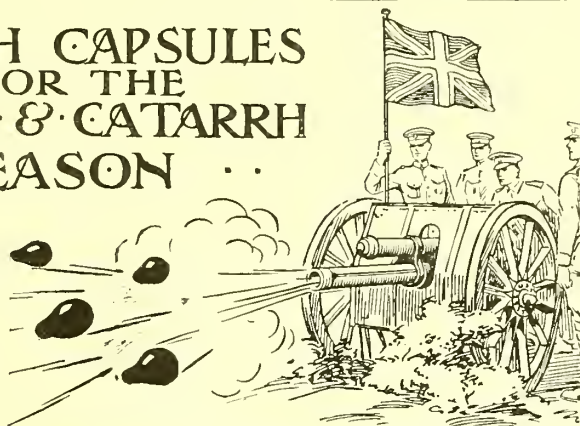
Our British made strops, shaving brushes, soaps, and "Parex" and "Ajusta" Safety Razors will make good "gift" lines.

Have you received your price list of the "Parex" Rubber Water Bottles? If not, we shall be glad to send one by return.

Writing of "Parex," our Enema of that name—British made, of course—is increasingly popular. 29/- doz. Usual dis.

BRITISH CAPSULES FOR THE COLD & CATARRH SEASON

TWO SPLENDID
NEW
PRODUCTIONS.



For obvious reasons Ammoniated Quinine prepared in *tasteless*, attractive and portable form has become increasingly popular with the public.

With the influenza season at hand our British made capsules will prove profitable winter lines. They are put up in stamped metal boxes, attractively printed, containing 1 dozen and 2 dozen in lacquered tinplate divisions.

Above is reproduced a section of the showcard sent out with each 3 dozen boxes ordered up to one gross.

AMMONIATED QUININE CAPSULES (each Capsule containing the equivalent of one fluid drachm of ammoniated tincture of quinine), **3/9** and **7/-** per dozen boxes.

AMMONIATED QUININE AND CINNAMON CAPSULES (each Capsule containing the equivalent of one fluid drachm of ammoniated tincture of quinine with the addition of one minim of English distilled cinnamon oil), **4/-** and **7/9** per dozen boxes.

The Quinine is of British manufacture, and the Cinnamon Oil English distilled.

Here is a slightly enlarged reproduction of the Quinine box. Write for details of our "own name and design" offer.



In 6d. & 1/- sizes.

VITAGEN

(PURE MILK CASEIN WITH 5% SODIUM GLYCEROPHOSPHATE)

THE IDEAL TONIC AND NERVE FOOD.

A perfectly reliable preparation, identical in composition and otherwise superior to German preparations of the same class at half the price.

IN BULK, 2/6 PER LB., NOW READY.

In 2 oz.	4 oz.	8 oz.	16 oz. tins.	} Ready next week with attractive wrappers and literature.
9/-	13/6	22/6	45/- dozen	

ONLY TERMS—Cash with Order, less 20% discount.

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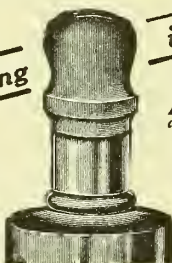
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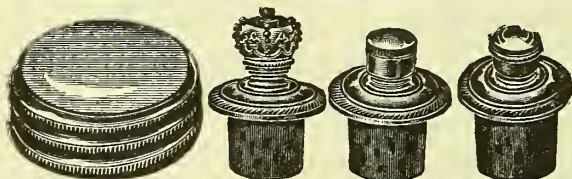
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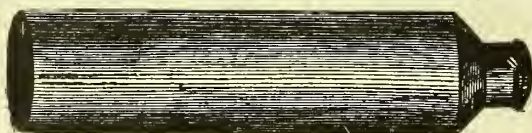
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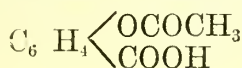
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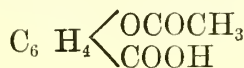
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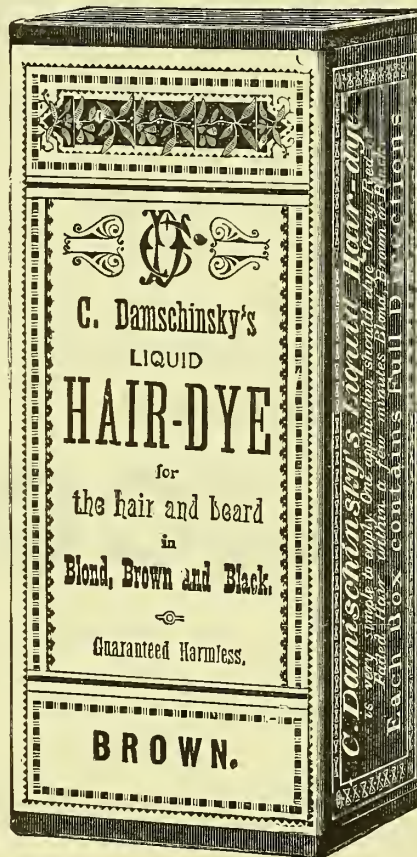
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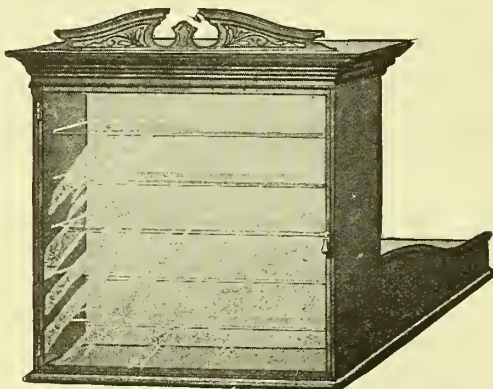
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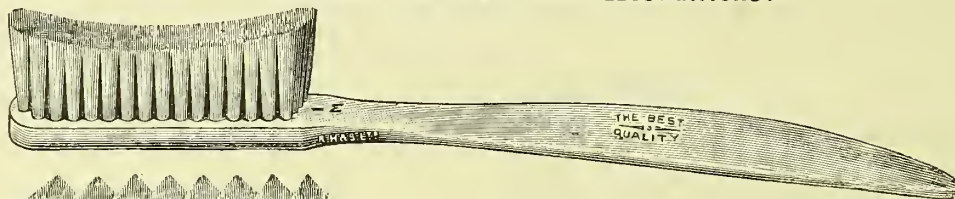


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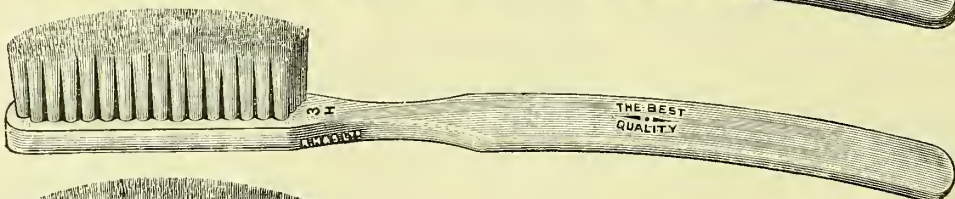
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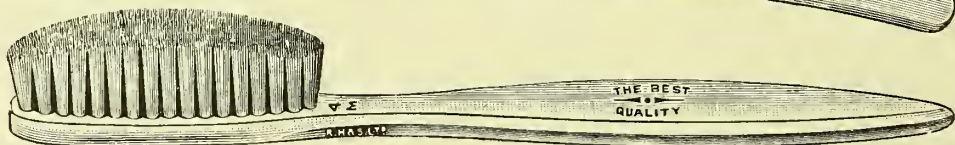
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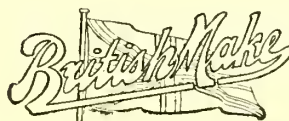
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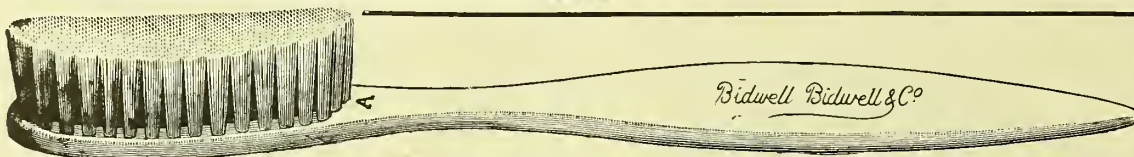
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Summer Issue, 1914, pp. 106, 107.
Diary, 1914, pp. 120, 121.

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SUMMARY.

The Board of Trade has published further statements regarding British trade (p. 34).

The names of those who passed the recent Minor examination in Edinburgh are given on p. 52.

A pleasantly chatty account of the British Association's meeting in Australia is contributed to this number by Mr. G. Claridge Druce (p. 54).

The final stages in the organisation of the scheme for supplying medical aid to the dependants of soldiers and sailors are mentioned on p. 49.

We give another section of the Pharmaceutical Roll of Honour, and also publish a photograph of chemists' assistants who have joined the Royal Army Medical Corps (p. 35).

The Government has taken further steps to deal with the subject of trading with the enemy. The text of the enactments is given on p. 33, and we deal with the subject on p. 48.

The annual meeting of the Pharmaceutical Society of Ireland was held last week (p. 42). At the Council-meeting on Tuesday the President, Vice-President, and Treasurer were re-elected (p. 44).

We publish a further instalment of the review of the pharmacy of the British Pharmacopœia 1914 (p. 50). Some medical criticisms are also given, and correspondents on p. 61 refer to other points.

Further applications have been made for the suspension of the salvarsan patents (p. 40), and the Lysol trade-mark has been the subject of further hearings before the Comptroller of Trade-marks (p. 41).

The question of whether chemists should or should not remain on the dispensing panels under the National Insurance Acts is causing some uncertainty. So far there have been no defections (pp. 47 and 49).

Carbolic acid, antimony, quicksilver, sodium silicates, and turmeric are dearer. Salicylates are firmer. Citric acid, guarana, senega, star-anise oil, English castor oil, American peppermint oil, glucose, milk-sugar, and lemon oil are all cheaper. There is a fair amount of trading on home and export account (p. 58).

European War.

Enemy Insurance Prohibitions.

A supplement to the "London Gazette" (Friday, October 9) contains a Proclamation amending "The Trading with the Enemy Proclamation, No. 2," made on September 9. Paragraph 5, heading (6), of that Proclamation is revoked, and the following is substituted:

"Not to make or cater into any new marine, life, fire, or other policy or contract of insurance (including re-insurance) with or for the benefit of an enemy; nor to accept, or give effect to any insurance of, any risk arising under any policy or contract of insurance (including re-insurance) made or entered into with or for the benefit of an enemy before the outbreak of war; and in particular as regards treaties or contracts of re-insurance current at the outbreak of war to which an enemy is a party or in which an enemy is interested; not to cede to the enemy or to accept from the enemy under any such treaty or contract any risk arising under any policy or contract of insurance (including re-insurance) made or entered into after the outbreak of war, or any share in any such risk."

"Notwithstanding anything contained in Paragraph 6 of the Trading with the Enemy Proclamation No. 2, where an enemy has a branch locally situated in British, allied, or neutral territory, which carries on the business of insurance or re-insurance of whatever nature, transactions by or with such branch in respect of the business of insurance or re-insurance shall be considered as transactions by or with an enemy."

The scope of the Proclamation is extended to all the Dominions beyond the seas, and the authority to grant licences is vested in Governors-General and Governors.

Trading with the Enemy.

To prevent breaches of the Royal Proclamation against trading with the enemy, the Board of Trade have issued a notice stating that H.M. Commissioners of Customs and Excise have been authorised to require certificates of origin or declarations of ultimate destination respectively to be presented in respect of all goods, wares, or merchandise imported into or exported from the United Kingdom in trade with any foreign port in Europe or on the Mediterranean or Black Seas, with the exception of those of Russia, Belgium, France, Spain, and Portugal. The list of ports in respect of imports from which certificates of origin will be required are as follows:

NORWAY.—Christiania, Bergen, Arendal, Bodo, Christiansand, Christiansund, Drammen, Flekkefjord, Fredrikshald, Fredrikstad, Hammerfest, Haugesund, Laurvig and Sandefjord, Lofoten Islands, Mandal, Molde, Moss, Namsos, Narvik, Porsgrund, Risør, Skien, Stavanger, Tonsberg, Tromsø, Trondhjem, Vadsø, Vardo, and Kragerø.

SWEDEN.—Stockholm, Borgholm, Goffe, Gotland (Wisbui), Hernösand, Hudiksvall, Kalmar, Luleå, Norrköping, Nyköping, Ornskoldsvik, Oskarshamn, Söderhamn, Sundsvall, Umeå, Westervik, Skellefteå, Gottenberg, Carlscrona, Halmstad, Helsingborg, Landskrona, Malmö, Stromstad, Uddevalla, Warberg, Ystad and Åhus, Marstrand.

DENMARK.—Copenhagen, Nyborg, Aalborg, Aarhus, Bandholm, Elsinore, Esbjerg, Fredericia, Fredrikshavn, Horsens, Castrup, Kolding, Korsør, Lemvig, Odense, Randers, Ronne (Bornholm), Svendborg, Thisted.

NETHERLANDS.—Rotterdam, Amsterdam, Delfzijl, Dordrecht, Flushing, Groningen, The Hague and Scheveningen, Helder, Leeuwarden and Harlingen, Maassluis, Terneuzen, Tiel, Utrecht, Ymuiden.

ITALY.—Genoa, Spezia, Savona.

For the present, however (except in regard to sugar), certificates of origin will not be required in respect of imports of foodstuffs or in respect of any imports from ports other than those specified above, or in respect of individual consignments not exceeding 100*l.* in value. Imports unaccompanied by certificates of origin will be detained until the requisite certificates are produced. In such cases, and at their discretion, the Commissioners will allow delivery on the security of a deposit or bond to the amount of three times the value of the goods. The following goods will be exempt from these requirements: (a) Goods imported or exported under licence; (b) goods shipped for the United Kingdom on or before October 19; (c) goods in respect of which Customs export entries have been accepted before October 9.

Alien Enemies' Names.

An Order in Council, published on October 8, provides for the insertion of the following article in the Aliens Restriction (Consolidation) Order, 1914:

"An alien enemy shall not, after the twelfth day of October, nineteen hundred and fourteen, for any purpose assume or use, or purport to assume or use, or continue the assumption or use of any name other than that by which he was ordinarily known at the date of the commencement of the war.

Where an alien enemy carries on or purports or continues to carry on, or is a member of a partnership or firm

B

which carries on or purports or continues to carry on any trade or business under any name other than that under which the trade or business was carried on at the date of the commencement of the war, he shall, for the purposes of this Order, be deemed to be using or purporting or continuing to use a name other than that by which he was ordinarily known at the date of the commencement of the war.

Nothing in this Article shall affect the right of a woman who after the commencement of the war marries an alien enemy to use the name which she acquires on her marriage.

A Secretary of State may, if it appears desirable in any particular case, grant an exemption from the provisions of this Article.

Overseas Trade in War Time.

The Board of Trade have issued a long statement on foreign trade since the outbreak of war. After describing the hampering conditions under which overseas commerce was carried on during August, it is remarked that: "It is of no small importance that the trade of September shows in many respects a recovery from the extreme of depression marked in the August trade accounts. The actual recovery is, indeed, substantially greater than that made apparent by the figures, since the record for any month, as published, includes particulars of part of the goods landed or shipped during the last few days of the preceding month, so that the published figures for August include a certain proportion of pre-war trade, while those for September are entirely free from such admixture. Further, cargoes destined for German ports, which were at sea at the outbreak of war and have since been brought to this country, have probably added to the import figures for August considerably more than to those for September. The value of the September imports, 45,052,000*l.*, would thus have shown a larger increase than the 2,690,000*l.* actually resulting from the comparison with August had the August figures not been affected by the pre-war trade, and had both months been equally affected by diverted cargoes. The value of the exports of United Kingdom produce in September was 26,674,000*l.*, the increase of 2,463,000*l.* on the figures for August being similarly an insufficient expression of the actual recovery in view of the pre-war trade included in the August total." The Board of Trade statement then compares the trade of the last two months with the corresponding months of 1904, and gives an extended analysis of the leading schedules of imports and exports, from which it appears that the exports of several important items, including chemicals, were larger during the two months of the war than they were during peace ten years ago. In spite of the fact that prices have risen since 1904, and that like values now and ten years ago do not represent equal quantities of goods handled, the writer of the statement regards the reduction which has occurred with much less uneasiness than the simple comparison of the figures with those representing the booming trade of the last two years might suggest.

Extending British Trade.

The Director of the Commercial Intelligence Branch, Board of Trade, 73 Basinghall Street, London, E.C., has issued a third list of articles for which inquiries have been received from those desirous of either purchasing or selling. The list, which contains many chemicals and drugs, will be sent to anyone interested as buyers or sellers.

No. 75 of the pamphlets issued by the Board of Trade to assist in the successful competition with Germany and Austria-Hungary in neutral countries deals with scientific instruments and apparatus other than electrical. From the figures given it is shown that the maximum value of the German and Austrian trade in these goods which might be diverted to British manufacturers in the United Kingdom market and Colonial and foreign markets is 2,155,950*l.* The scientific instruments referred to include microscopes, telescopes, thermometers, and certain kinds of surgical instruments.

The Board of Trade has also issued a statement containing recent information received at the Commercial Intelligence Branch regarding opportunities of securing trade in South Africa, France, Spain, United States of America, Russia, Italy, Japan, and Corea. In the notes regarding France mention is made of the need for caustic potash, powdered milk, aluminium toilet-articles, and rubber sponges. In regard to the United States, the Consul-General mentions optical glass and indiarubber goods. In Russia there "is likely to be urgent need for drugs of all kinds," and it is pointed out that if it is

possible to forward these by parcel-post a good cash business can be done. Italy is desirous of selling British goods rather than those made in Germany.

The Sugar-supply.

The Commission appointed by the Cabinet for the maintenance and regulation of the food-supplies of the country during the war arranged that the whole body of sugar-refiners should stand aside from the market for raw sugar, leaving it free for the operations of the Government. During last week, in consequence of this decision, immense purchases of sugar have been made for the benefit of the consuming public.

Over 900,000 tons of sugar, raw and refined, has been purchased. The price varied in different transactions, but in the aggregate it was about 20*l.* per ton, and the total amount so far expended exceeds 18,000,000*l.* The raw sugar is being issued to the refiners at a price which, while protecting the Government from loss, will enable the refined product to be sold to the public by retail grocers at 3*½d.* per lb. for good granulated, and 4*½d.* per lb. for good cubes.

Chemicals and Dyes for U.S.A.

There is a general expectation among Government officials at Washington, says the "Oil, Paint, and Drug Reporter," that the German embargo on certain exports from that country will sooner or later be lifted. To bear out this hope, Herman Metz, of New York, President of the Farbwerke-Hoechst Co., has received advices from Germany that, following the raising of the embargo on dye-stuffs *via* Rotterdam, the embargo has also been raised upon medical products, with the exception of chloroform, carbolic acid, and serums. The State Department is being urged to ask for free export of these medical products for the benefit of many persons under treatment in America. That German dye-stuffs are sadly needed in the American textile industry became known when a prominent textile manufacturer of Philadelphia visited Washington and conferred with various members of Congress and State Department officials. He reported that the supply of dye-stuffs in the United States was very limited, and that the prices were very high. He cited an instance of a hosiery manufacturer endeavouring to obtain what are known as "developed blacks," who discovered that while the normal price was 24*c.* a pound, he could obtain nothing less than 20,000 pounds at \$2 a pound. It is stated that great efforts are being made to obtain supplies of dyes from German ports in American-owned ships. It is even affirmed that a steamer has been chartered for the purpose indicated.

Belgian Refugees.

The further devastation of Belgium by the Germans has brought a large number of refugees to this country. Among them are some pharmacists and others connected with the drug-trade. The following have called at our office, and we shall be glad if any of our readers can find them employment:

Ch. Belckx, 25 Alexandra Road, Finsbury Park, London, N. (speaks English).

J. van der Veen, 57 Eastwood Street, Streatham, S.W.

We append also the names and addresses of some other Belgian refugees connected with the drug-trade who have reached this country recently. We think the publication of this list may help these fellow-countrymen to keep in touch with each other:

A. Vincent, 19 Christchurch Road, Folkestone.

A. Holbank, 34 Parkhill Road, Hampstead, N.W.

R. Six (from Antwerp), 107 Gower Street, London, W.C.

R. van der Capellen (from Hasselt), 8 Arundel Street, Piccadilly, London, W.

— Corsetis (from Brussels), 40 Albany Street, Great Portland Street, London, W.

German Influence on Science.

Sir William Ramsay, in an article in "Nature" of October 8, discusses Germany's aims and ambitions. He points out that the German view of a nation's duties is very different from and wholly irreconcilable with that of the British and of Americans. He refers to the dangerous and insufferable despotism which has eaten like a cancer into the morals of the German nation. Not only must this be annihilated, but all possibility of its resuscitation must

be made hopeless. Regarding the future, Sir William says: "Will the progress of science be thereby retarded? I think not. The greatest advances in scientific thought have not been made by members of the German race, nor have the earlier applications of science had Germany for their origin. So far as we can see at present, the restriction of the Teutons will relieve the world from a deluge of mediocrity. Much of their previous reputation has been due to Hebrews resident among them; and we may safely trust that race to persist in vitality and intellectual activity."

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

The fourth list of the names of those connected with the drug-trade who have joined the Colours at the nation's call.

ALBERTON, Ronald (with Boots Cash Chemists, Ltd., Cambridge), R.A.M.C.

BAKER, Corporal Harry J., chemist and druggist (with Duncan, Flockhart & Co., London), 1st Batt. London Scottish.

BALDWIN, Geo. Ernest (son of Mr. Geo. J. Baldwin, chemist and druggist, Loughborough), Kitchener's Army.

BARTON, Harold R. (son of Mr. T. J. Barton, chemist and druggist, Street, Somerset), R.A.M.C.

BELL, Britain (with Boots Cash Chemists, Ltd., Barnstaple), Territorial Army.

BUTON, C. F. (with W. H. Hobbs & Co., Ltd., London), Civil Service Rifle Corps.

CATHORNE, R. E. (with F. Newbery & Sons, Ltd., London), 14th Batt. Manchester Regiment.

COOK, John (with Boots Cash Chemists, Ltd., Cambridge), R.A.M.C.

COULL, 2nd Lieut. Geo. Charles, 2nd Highland Brigade R.F.A. (late Bombardier-Tramper, Edinburgh University O.T.C., Artillery Unit); 2nd Lieut. Robert Coull, 6th Royal Scots (late Sergt., Edinburgh University O.T.C., Infantry Unit); and Private Stewart McLeod Coull, 9th (Highlanders) Royal Scots, sons of Dr. George Coull, managing director of Raimes, Clark & Co., Ltd., Edinburgh. The doctor, who is a Town Councillor of Leith, has enrolled as a special constable of the burgh.

COWIE, Private John J. (son of Mr. Geo. Cowie, chemist and druggist, Edinburgh), Cameron Highlanders.

DICKINSON, Trooper R. (son of Mr. F. Dickinson, chemist and druggist, Stamford), Lincolnshire Yeomanry.

DODD, Ralph H., Honourable Artillery Company, and Midshipman E. Badenhorst Dodd, R.M.S. *Hercules*, sons of Mr. W. Ralph Dodd, Ph.C., director of Allen & Hanbury's, Ltd.

DONALD, Private Sam (with Raimes, Clark & Co., Ltd., Edinburgh), 9th (Highlanders) Royal Scots.

DOWDY, Second Lieut. A. G. (son of the late Mr. W. Dowdy, chemist and druggist, Pershore), South Staffordshire Regiment.

DUFFTON, — (with Mr. J. D. Duncan, chemist and druggist, Aberdeen), 2nd H.F.A. (T).

EDWARDS, A. W., chemist and druggist (with the Bayer Co., Ltd., London), R.A.M.C.

EVANS, Private Evan P. (chemist and druggist), Royal Field Artillery.

FARR, Joseph A., Army Service Corps; J. Grey Farr, chemist and druggist, and Robert H. Farr, N.M. Field Ambulance; John S. Farr, Seaforth Highlanders; and Lionel Farr, Queen's Own Yorkshire Dragoons, sons of the late Mr. Joseph Farr, chemist and dentist, Yaxley, Yorkshire.

FASSON, 2nd Lieut. F. H. (Secretary of Raimes, Clark & Co., Ltd., Edinburgh), 4th Scottish Horse.

FORBES, J. H. (with Mr. H. Douthwaite, chemist and druggist, London), Cameron Highlanders.

FRANCIS, Driver Norman (younger son of Mr. G. Bult Francis and brother of Mr. Alan Francis, of The British Drug Houses, Ltd.), Canadian Army Service Corps (Overseas Contingent).

FRANCIS, Ernest (only son of Mr. Rawson P. Francis, of Duerdin and Sainsbury, Melbourne, Vic.), Maxim Gun Section, 1st Contingent King Edward's Horse.

GIACCU, Otto (with Mr. D. Storrar, chemist and druggist, Kirkcaldy), Highland Cyclist Battalion.

GOW, J. D. (with Mr. A. C. Martin, chemist and druggist, Edinburgh), 5th Royal Scots.

GRAY, J. A., Ph.C. (with the Bayer Co., London), R.A.M.C.

GREEN, Jas. (late with J. Peebles, chemist and druggist, Kirkcaldy), Highland Cyclist Battalion.

HANSON, L. H. (with W. H. Hobbs & Co., Ltd., London), Duke of Cambridge's Hussars.

HARD, Claude (with Boots Cash Chemists, Ltd., Cambridge), Cambridgeshire Regiment.

HARVEY, Lieut.-Col. R. K. (Director of The British Drug Houses, Ltd.), 5th Batt. East Surrey Regiment.

HIND, Private H. W. (son of Mr. W. T. Hind, chemist and druggist, Leicester), 4th Batt. Leicestershire Regiment.

HOOPER, 2nd Lieut. David Ernest (son of Dr. David Hooper), 3rd East Lancashire Regiment. Lieut. Hooper was gazetted from the O.T.C., Bristol.

HUGHES, H. Reinald (apprentice with Mr. T. J. Badgett, chemist and druggist, Newport, Mon.), 5th (Royal Irish) Dragoon Guards.

IRVINE, Peter, Ph.C., of the United Drug Co., Liverpool, R.A.M.C.

JARDINE, 2nd Lieut. C. H. (son of Mr. Jardine, of the representative staff of T. & H. Smith, Ltd., Edinburgh), 14th Batt. Royal Scots.

LAWSON, Wm. (with Raimes, Clark & Co., Ltd., Edinburgh), 2nd Army Corps Remounts.

MACINTYRE, John (with Mr. Jas. Taylor, chemist and druggist, Glasgow), 8th Batt. Argyll and Sutherland Highlanders.

MAKIN, Edward Carrick, chemist and druggist, of Kingwilliams-town, South Africa (late with Mager & March, chemists and druggists, Queenstown, South Africa).

MALLEY, Private J. (with Mr. S. P. Faraworth, chemist and druggist, Ansdell), R.A.M.C.

NEASAM, Staff-Sergt., chemist and druggist (with Mr. G. B. Hardcastle, chemist and druggist, Brighton), 2nd Eastern General Hospital, R.A.M.C. (T).

PADLEY, Robt. A. (son of Mr. F. R. Padley, chemist and druggist, Wooler, Northumberland), Royal Fusiliers.

PALMER, H. S., of the representative staff of Sangers, London.

PRICHARD, H. E. (son of Mr. T. H. Prichard, chemist and druggist, Abertillery), 3rd Batt. Monmouth Regiment.

RAPHAEL, Godfrey G. (of Raphael's, Ltd., London), London Rifle Brigade.

REYNOLDS, James A. (son of Mr. T. W. Reynolds, chemist and druggist, Dungannon and Belfast), officer in Royal Irish Rifles.

RICHMOND, Cubitt, 35th A.C.H., Valcartier Camp, Quebec, and Graham Richmond, Kitchener's Army, sons of Mr. A. E. Richmond, chemist and druggist, Great Yarmouth.

RITCHIE, Lance-Corporal David (with Raimes, Clark & Co., Ltd., Edinburgh), 7th Royal Scots.

RITSON, Private Fletcher (son of Mr. F. Ritson, chemist and druggist, Carlisle), 4th Batt. Border Regiment.

SCOTNEY, Private George (late with Parkinson's Drug Stores, Burnley). Private Scotney has died of wounds received in battle.

SHAND, — (with Mr. J. D. Duncan, chemist and druggist, Aberdeen), 2nd H.F.A., T.

SMITH, Arthur (of the representative staff of Fairchild Brothers & Foster, London), R.A.M.C.



Chemists' Assistants in the Royal Army Medical Corps.

Back row (left to right): A. Vale, F. Porter, C. Allen, A. W. Hands, C. Roddis, D. McLachlan, A. Nimmo, J. Michie, C. R. A. Thompson, F. Ray, V. Adams, R. R. Smith, R. McIntyre, A. S. Flint.

Second Row: T. V. Henderson, J. Ross, J. E. Booth, H. Hinde, J. T. Pegg, D. F. Watson, S. Ernest, W. H. Roberts, C. A. Michie, G. H. Knowles, H. P. Carter, T. Starkey, H. Tilsley, D. Hanlon, S. R. B. Smith, J. Macdonald, J. T. Reese, T. H. Clarke.

Third Row: F. Spenser, G. Y. Proudfoot, W. S. Gilmour, G. B. Spiers, G. Goldsworthy, G. Kirk, B. C. Latimer, H. B. Tilbury, Sergeant Newling, Lieutenant E. A. P. Brock, R.A.M.C., A. Spiers, P. H. Woodyard, H. J. Hancox, T. E. B. Young, E. F. Williamson, G. W. Scott, R. MacGregor, A. Gadic.

Fourth Row: J. Baswitz, H. Hill, D. Scott, F. L. Saunders, R. Macdonald, T. Steele, W. R. Robb, Scout Robb (Mascot), E. R. Mickleburgh, J. A. Griffiths, J. A. Jackson, E. Ratcliffe, J. C. Henderson, R. Ryan.

The names of most of the above have appeared in our Pharmaceutical Roll of Honour.

SMITH, John L. (lately apprentice with Mr. T. E. Pask, chemist and druggist, Workop), Sheffield City Battalion.

STROUD, Corporal Harry Nutall, Leicestershire Yeomanry; also Private George Mantering Stroud, Officers' Training Corps; sons of Mr. N. H. Stroud, Director of John Richardson & Co. (Leicester), Ltd., Leicester.

TANNER, C. S., Royal Wiltshire Yeomanry. Mr. Tanner has resigned his position as secretary to F. Schutz & Co., London, to accept a commission in the above corps.

TEARLE, Private Robert (late apprentice with Bass & Wilford, Nottingham), 7th Notts and Derby Regiment.

TRIMS, Private (lately with Mr. A. Elder, Ph.C., Birkenhead), West Lancashire Regiment.

TREWEKES, Major R. H., T.D., chemist and druggist, Pembroke. Major Trewekes, who resigned some years ago, as major, after twenty-one years' service in the old 1st V.B. Welsh Regiment and 4th Batt. Welsh Regiment, T., is on the staff of the Western Coast defences as Railway Control Officer. He commands the local company of National Reserves, and is a recruiting officer for the Pembroke Division. His son is a lieutenant in the Navy (H.M.S. *Natal*).

WATKINS, Wm. (with Raimes, Clark & Co., Ltd., Edinburgh), Royal Field Artillery.

WEEKS, Lance-Corporal (formerly with Mr. S. B. Herdcastle, chemist and druggist, Brighton), 2nd Eastern General Hospital, R.A.M.C., T.

YOUNG, Wm. (with Raimes, Clark & Co., Ltd., Edinburgh), Royal Naval Volunteer Reserve.

The following are collective lists of those members of the staffs of business houses connected with the chemical and drug trades who have joined the Forces. We exclude from this list those who are pharmacists.

THE BAYER CO., LTD. (PHARMACEUTICAL DEPARTMENT), LONDON.—A. Nickolds, 2nd Middlesex Regiment, Kitchener's Army; C. R. England, Army Service Corps, Kitchener's Army; A. Saw, 1st Royal Fusiliers (T.).

A. BERLINER, LONDON.—R. H. Coll, H. W. Fisher, O. Sutton, J. Hayday, H. Nicholls, and R. P. Roberts.

BRITISH DRUG HOUSES, LTD.—In the list published in the *C. & D.*, October 10, p. 34, the following members of the office staff should have been included: A. W. Clarke, Forster, Gilbert, and J. W. Stott, Territorial Army; K. Clark and C. Parker, Regular Army, Marvin, R.A.M.C.

C. R. HARKER, STAGG & MORGAN, LTD., LONDON.—J. Ball, Marine Artillery; E. Buttell, G. M. Fletcher, and H. Hockley, R.A.M.C.; L. A. Durston, Royal Fusiliers; A. Furk, Royal Scots; R. Harris, Berkshire Regiment; F. Holland, S. King, and T. Waite, Essex Regiment (T.); E. Jago, jun., E. Lowes, and F. Marder, 17th County of London Regiment (T.); J. Restall, King's Royal Rifles; T. Smith, Rifle Brigade; C. Wherrett, Gloucestershire Regiment; H. Springfield, Army Service Corps.

POTTER & CLARKE, LTD., LONDON.—J. Bonner, W. G. Cox, W. Davies, G. Graham, and J. G. Summers, City of London Royal Fusiliers; H. Scurr, County of London Battalion; E. J. Bowman and L. Michelmores, London Regiment; B. Banks and F. L. Nash, 7th Batt. Middlesex Regiment; G. Burrows, Devonshire Regiment; H. Davies, East Kent Regiment (Buff.); W. Sales, Royal West Kent Regiment; J. Fisher, Essex Brigade Army Service Corps; W. Griffin, Duke of Cambridge's Regiment; C. Banner, King's Royal Rifles; W. T. Woolmore, 18th Hussars; W. C. Mackenrot, Honourable Artillery Company; J. T. Pohl, Royal Field Artillery.

RAPHAEL'S, LTD., LONDON.—E. G. Sims, 7th Batt. Rifle Brigade; D. Groce and D. Spencer, London Rifle Brigade; W. J. Vard, Royal West Surrey Regiment; J. Barry and D. Thorpe, Reservists.

T. & H. SMITH & CO., LTD., EDINBURGH AND LONDON.—J. Rutherford, A. Cunningham, D. Stewart, W. Jamieson, Jas. Sowler, W. Lamont, and Geo. O'Neill, Royal Scots; J. Mann, Geo. Mackay, and W. Matchett, Royal Scots Fusiliers; J. Wall, King's Own Scottish Borderers; W. Reid, J. Ullathorn, and G. Brown, Highland Light Infantry; J. Fleming and D. Boswell, Argyll and Sutherland Highlanders; W. Mahon, George Scott, and J. Holt, Cameron Highlanders; D. McDougall and K. J. Strachan, Seaforth Highlanders; W. Norman, D. Wilkie, and G. Barton, Black Watch; J. Sumner and W. Duncan, Gordon Highlanders; J. W. Tocher, Scots Guards; J. Neal, Royal Engineers; J. Munro and W. Moir, Royal Scots Greys; J. Lawrence and Geo. Ford, Royal Field Artillery; W. Herd, R.A.M.C.; T. Dickson and W. Stocks, Army Service Corps; J. Hutchison, Royal Naval Reserve; R. H. Matthew, 2nd Essex Royal Field Artillery; A. G. S. Palmer and S. C. Heilbrown, County of London Regiment; J. W. Henderson, Duke of Cornwall's Light Infantry.

Miscellaneous.

Mr. T. Ernest Jones, chemist and druggist, Taff Street, Pontypridd, has joined the local "Civic Guard."

Glacial acetic acid has been deleted from the list of prohibited exports given in the *C. & D.*, September 12 (p. 35).

Mr. J. Douglas Lunan, younger son and pupil of Mr. George Lunan, Ph.C., Edinburgh, has obtained his commission in the Royal Field Artillery.

Sulphur rubbed into the underclothing of soldiers is suggested by Mr. H. H. Tomkins in "The British Medical Journal" as an efficient preventive of infection by vermin.

The British Optical Association has forwarded a cheque for 80*l.* to the Prince of Wales' National Relief Fund, this being the first contribution. A second list of subscribers has since been started.

Heppel's Pharmacy, 164 Piccadilly, London, W., is exhibiting a patriotic design at present, made up of the national flags of the Allies. Under the colours of Britain,

France, Russia, and Belgium are placed those of Servia and Japan. A vacant space in the centre bears the inscription "Reserved for Italy."

We referred last week to the miniature rifle-range which has been fitted up on the premises of Messrs. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, London, E. Since then we have had an opportunity of inspecting the range, and have become a captivated admirer both of the motives of the company in providing the equipment and of the manner in which the range has been fitted up. It is a 20-yard range, and has been arranged in the upper part of a large warehouse. The equipment is of the standard pattern, and there is provision made for two riflemen to use the range at the same time. Care has been taken to obtain the correct lighting, and every detail has been planned with great exactness. One of the staff acts as range-master and instructor, arranging the practice and the competitions which have been organised among the men. A good number of the staff has joined His Majesty's Forces, but it was felt that those who remain behind to carry on "business as usual" desire to make themselves proficient with the rifle in case of emergency. Practice takes place chiefly in the evening, and much enthusiasm is being displayed in the experiment. We are authorised to state that Messrs. Harker, Stagg & Morgan, Ltd., will be pleased to supply details as to fitting-up the range, cost, etc., to any firm who desires to follow the example. The cost is quite moderate, but the results obtained may have a far-reaching effect in case of need.

Pharmacy in Austria-Hungary.

DRUGS especially required for the army, and which herb-collectors are asked to procure, are chamomiles, juniper-berries, and uva-ursi leaves.

GUARDING PHARMACY LABORATORIES.—The Minister of the Home Department has placed under Government protection the manufactories of pharmaceutical preparations of G. Hell & Co. in Komaron, Hungary.

THE DRUG-SUPPLY.—The German Government has notified that it is willing to allow the exportation of medicaments, disinfectants, and medical instruments to Austrian pharmacies and civil hospitals where the drugs can be spared in Germany. The exportation of iodine and opium and opium preparations to Austria cannot, however, be allowed. The wholesale firms in Austria-Hungary have been informed of this communication. There is a good deal of "red-tape" procedure to carry out before the permit is obtainable.

THE WAR MEDICAMENT COMMITTEE at Prague has turned its attention to the manufacture of animal charcoal, and the quality of that produced is stated to surpass that of foreign makers. It is used in the army as an internal disinfectant in affections of the bowels. The demand is so great that there is a difficulty in satisfying it. *Bolus alba* is also in great demand for the army medical service. It is further stated that after a lot of trouble supplies of morphine and iodine have been obtained, and thus the great scarcity has been relieved.

News of German Pharmacy.

WATER-PURIFICATION in the army is effected by boiling the water for five to ten minutes, and then passing through it sterile air to aerate it again. Chemical purification is not favoured, but ozone is stated by the "Pharm. Zeitung" to be effectual.

ANTIPATHY TO ENGLAND is so marked in the "Pharm. Zeit." that our contemporary is now devoting itself to the purification of the German language by elimination of all such expressions as "bill of fare," "commerce," "football," and many other English expressions, for which German equivalents are wanted.

THE IMPERIAL CHANCELLOR on September 26 prohibited the export of kaolin, sulphurous acid, and sulphuric anhydride. On September 27 tannin and horseradish-root were removed from the list of prohibited exports, and there were added: sulphur, resin, thorium nitrate, cerium nitrate, oxalic acid, formic acid, and formates.

MORPHINE AND OPIUM.—C. H. Boehringer Sohn, in a letter to the Bavarian Home Department, have stated that the German morphine-manufacturers (themselves, E. Merck, and C. F. Boehringer & Söhne) have sufficiently large stocks of opium and opium preparations to execute foreign orders for opium without doing harm to their own country.

PRICE INCREASES.—The wholesale houses are protesting that the allegations that prices of proprietary medicines and surgical dressings have been increased unnecessarily are untrue. The manifesto has been sent to all the medical journals, as it has been found that medical men have avoided prescribing certain remedies under the impression that the price had been raised.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Parliament has been further prorogued to November 11.

Eastwood (Hebden Bridge) tradesmen are to close at 12.30 P.M. on Tuesdays, 8 P.M. on Wednesdays, and 9 P.M. on Fridays.

Four cases of poisoning have been reported during the week, one of them being due to misadventure. The poisons implicated were laudanum, liniment, methylated spirit, and prussic acid.

Considerable damage was done by fire last week at the pharmacy of Mr. J. F. Miller, chemist and druggist, Stamford Street, Ashton-under-Lyne. The cause of the outbreak is unknown.

Under a closing order of Crewe Corporation, chemists in business within a certain area are to close at 7.30 P.M. on Mondays, Tuesdays, and Thursdays, 1 P.M. on Wednesdays, and 10 P.M. on Fridays and Saturdays.

As the result of a side-slip, the Royal Mail motor-van from London collided with the shop front of Mr. F. Gutteridge, chemist and druggist, Ashford, Kent, on October 12. No damage was done beyond the twisting of an iron sign.

The Local Government Board have informed Wandsworth Guardians that the Board cannot agree, at present, to the establishment by the Guardians of a special Radium Department. The Board, however, agrees that any patient who, in the opinion of the Medical Officer, requires such treatment may be sent to a suitable institution at the Guardians' expense.

Analysts' Reports.

One sample of camphorated oil recently submitted to the Walsall analyst proved to be of genuine composition.

The Hull city analyst (Mr. A. R. Tankard, F.I.C., F.C.S.), in his report for 1913, states that sixty-seven samples of drugs were examined during the year, of which four were returned as adulterated and four as of poor quality. In July 1914 one sample was examined and found to be genuine.

Nineteen informal samples of drugs were examined recently by the Lambeth public analyst. All were genuine. One sample each of arrowroot and cream of tartar were taken in Bethnal Green during the past five weeks and found to be satisfactory. Of nineteen samples of drugs submitted for analysis in Bermondsey during the past year, four (crushed linseed 2, eucalyptus oil 1, and glycerin 1) were returned as "adulterated."

Poor-law Dispensing.

Dispensing for the outdoor poor is decreasing. At Wandsworth and Lambeth it is now given out to local chemists at the National Insurance rates of payment. The decrease is no doubt in a great measure due to the combined action of the Old-age Pensions Act and the National Insurance Act.

The St. Pancras (London) Guardians have had under consideration the question of filling the vacancy caused by Mr. Miller's retirement at Clarendon Square Dispensary, London, N.W. At a recent meeting it was decided to amalgamate the duties formerly carried out by Mr. Miller at the South Dispensary and Mr. F. W. Moore at the North Dispensary, Kentish Town, N.W. In future the North and South outdoor districts will be dispensed for by Mr. Moore. Both dispensaries will, however, be kept on as before, and attendance will be given at certain hours both morning and afternoon. The Guardians propose (subject to the Local Government Board's sanction) to pay Mr. Moore a salary of 45*l.*, rising by 5*l.* per annum to 60*l.*, with 5*l.* per annum for travelling-expenses, for this added work, in addition to the salary of 120*l.* which he now receives as dispenser at Kentish Town. The salary of 120*l.* is now to be

regarded as a fixed one, and not subject to the usual automatic scale of increments.

Contracts for Drugs, etc.

The following contracts of English and Welsh Boards of Guardians and Councils have been concluded:

Bradford City Council.—British Oxygen Co., for supply of oxygen.

Camberwell Guardians.—Mr. J. S. Harrison, for brushes for three months.

Coventry Guardians.—Mr. C. H. Reid, appointed chemist for six months.

Hemsworth Rural Hospital.—Mr. G. Hodgson, chemist and druggist, for drugs.

Hereford City Hospital.—Mr. W. H. Marchant, chemist and druggist, for drugs.

Holywell Guardians.—Mr. D. Hughes, for charcoal for three months; Mr. J. Carman, for linseed-meal and carbolic acid for three months.

Sheffield Guardians.—Newton, Chambers & Co., Ltd., for Izal soap; Brunner, Mond & Co., Ltd., for soda; Mr. W. Turner, for bicarbonate of soda and cream of tartar; Ambora Soap Co., for ammonia, borax, and soft soap; McDougall Bros., Ltd., for pine powder.

Stourbridge Guardians.—Mr. A. J. West, for castor oil, Epsom salts, linseed meal, lint, boracic lint, Gangee tissue, gutta-percha tissue, vaseline, starch powder, zinc powder, boracic powder, trusses (single and double), methylated spirit, and bandages.

Tamworth-in-Arden Guardians.—Mr. Jasper Hall, for drugs.

London County Council.—Owing to the inability of contractors to supply certain chemical and physical apparatus on account of the war, the Stores Committee of the London County Council have terminated certain contracts with the following firms:

Brown & Son; A. Gallenkamp & Co.; J. J. Griffin & Sons, Ltd.; The Scientific Glass Blowing Co.; and Townson & Mercer, Ltd.

Aitcham Guardians, having considered an application by Dr. Riley for an allowance to meet the increased cost of drugs owing to the war, decided to let the matter stand over till the end of the year, when they would be able to tell, within a few shillings, what the difference was.

London Chemists' Golfing Society.

An open meeting was held at Hendon Golf Links on October 8. The prizes were given by the captain, Mr. C. T. Allen, Mr. A. Harries, and Mr. S. Saunders. The Society had previously decided that the value of the prizes and sweepstakes should be given to the Prince of Wales' Relief Fund. A sum of 6*l.* 6*s.* was accordingly handed over to that Fund. Play was by singles in the morning, and the following were the lowest returns:

M. W. Carmichael	...	...	83 less 8=75
S. C. Tomson	...	...	96 less 16=80
H. Marshall	...	...	99 less 18=81
J. Jones	...	...	99 less 18=81
H. W. Bartlett	...	...	87 less 5=82
P. Strange	...	...	97 less 14=83
C. T. Allen	...	...	97 less 12=85
S. Briggs	...	...	89 less 3=86

Foursomes were played in the afternoon. The lowest cards were handed in by:

M. W. Carmichael and J. Jones	...	...	88 less 13 = 75
H. W. Bartlett and E. Beaton	...	...	85 less 8½ = 76½
F. Mitchell and S. Tomson	...	...	93 less 14 = 79
H. Palmer and C. McDonald	...	...	99 less 16 = 83

Twenty-six players took part in the day's golf.

Sheffield.

Local chemists complain that trade generally is very quiet, especially on the fancy-goods side of the business.

Mr. England, chemist and druggist, has succeeded Mr. Reynolds in the management of the Snigg Hill branch of Boots Cash Chemists, Ltd.

English mineral waters are largely displayed at present in chemists' windows, prominence being given to Harrogate, Cheltenham, and Esvach waters. Mr. G. Squire has an attractive display of the last-named.

We are informed that the numbers attending the pharmacy classes arranged by the Sheffield Education Committee are satisfactory, considering the number of eligible students who have joined the Army.

Mr. James Hitchcock, chemist and druggist, Greenhill Lane, Riddings, Derbyshire, while returning on horseback from Eastwood had his leg fractured through his horse falling. Mr. Hitchcock retired from business some years ago.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Dr. J. C. McWalter, Dublin, has been elected a member of the Senate of the National University.

Mr. H. E. Young, Ph.C., Londonderry, appealed at the Recorder's Court against the valuation of 70% of his new premises in Strand Road, but after evidence the valuation of the Commissioners was affirmed.

Mr. M. O'Donnell, Ph.C., Dublin, has been awarded first prize (2%) and the medal of the Royal College of Surgeons and Physicians in Ireland for practical chemistry at the recent sessional examination.

At Bushmills, co. Antrim, last week, a man named McCallum, who was charged with having stolen a five-pound note and a pair of pliers belonging to Messrs. Taggart, Ltd., druggists, was placed on probation.

During the early hours of October 10 the extensive premises in Old Market Street, Sligo, owned by Mr. P. N. White, J.P., chemist and druggist and oil-merchant, were destroyed by fire. The damage to Mr. White's property is estimated at 2,000*l*.

At the Mountmellick Quarter Sessions County Court this week Judge Fitzgerald gave a decree for 7*l*. 14*s*. to Miss Mary McComack, who sued Mr. Richard Kingston, Ph.C., Portlinton, for 10% for breach of contract in connection with the supply to her of a set of artificial teeth.

The Local Government Board invariably keep in close touch with all expenditure for drugs, etc., by Irish Boards of Guardians, but this year, owing to the increase in the cost of drugs, the supervision is even more severe than usual. A number of Irish Boards have been written to lately on the subject.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen.

An outbreak of fire occurred on October 13 in the premises of Messrs. Horne Bros., wholesale druggists, Loch Street, Aberdeen, owing to a bottle of ether being broken and the vapour becoming ignited. Much damage was done, but the stock and premises were insured.

Dundee.

The public lighting of Dundee has been much reduced, and no bright lights are allowed in front of shops.

Chemists have had a big demand for boric acid, soaps, and vaseline to enclose in parcels of comforts for soldiers.

Edinburgh.

Dr. R. Stewart Macdougall, a member of the Scottish Board of Examiners, has been elected President of the Edinburgh Botanical Society.

At the Nurses' Final examination held at the Western Infirmary, Glasgow, last week, Miss Mary J. Peebles, formerly with Messrs. Davidson & Co., chemists, Edinburgh, passed first in medical and first in surgical knowledge.

At the opening meeting of the Edinburgh Photographic Society on October 6 the first completed portfolio of the pictorial survey which the Society has undertaken of Edinburgh and district was presented to the Corporation. The presentation was made by Mr. R. Glode Guyer, Ph.C., President of the Society, and Lord Provost Inches received the portfolio on behalf of the Corporation.

Glasgow and the West.

Mr. D. Henderson (scratch) has proved the winner of the Virol Cup Golf Competition with an average of 77½, Mr. Anderson being second with 82½. The final round was played over Whitecraigs course.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

WAR VICTIMS.—Auguste Dorsner, military pharmacist, wounded in Alsace on August 24, died at Montereau on August 30. Edouard Bouisson, pharmacist-major, died on August 18 at Nogent-sur-Marne, near Paris.

A COMPETITIVE EXAMINATION is announced to be held at Toulouse, on December 14, for an assistant-professorship of pharmacy and materia medica at the Clermont-Ferrand Preparatory School of Medicine and Pharmacy. Candidates may enter until November 14. It is doubtful whether the examination will be held, as so many eligible candidates are otherwise engaged.

"STAR OF THE BRAVE."—The Cross of Chevalier of the Legion of Honour has been conferred upon M. Denigès, Professor of Biological Chemistry at the Bordeaux Faculty of Medicine and Pharmacy; Pharmacist-Major Desesquelle (Territorial Army, 21st Region); Assistant-Pharmacist-Major Ricard (First-class Reserve, 17th Region); M. Marot, pharmacist at Port-à-Binson (Marne); and Pharmacist-Major Château, Eastern Morocco. These are all for services to the State.

FOR WAR BABIES.—Dr. Guinon, of the Bretonneau (Paris Children's) Hospital, publishes in the "Presse Médicale" some hints for his fellow Parisians. In view of the fact that fresh cow's milk has not been always readily obtainable lately in Paris, and that the provision of sterilised milk is uncertain, he points out that infants brought up partly or entirely on the feeding-bottle may be given condensed milk. Milk-powder he does not insist upon, as the stocks in Paris appear to be exhausted. Milk-foods, such as Nestlé's and Galactina, are, he adds, sometimes borne very well by quite young children. The malted or malted-milk foods are "much used in England, but perhaps less known in France."

A PHARMACIST SHOT.—M. Bonne, *curé* of Etain, tells a grim tale of Brie, the little Sub-Prefecture of the Meurthe-et-Moselle Department. It was occupied by the Germans, but they subsequently retired. After their withdrawal a local pharmacist, who had a motor-car, offered to drive the Sub-Prefect (his personal friend) to Etain. That official agreed, and the two men journeyed there together. The pharmacist returned alone. On the morrow the German forces reoccupied Brie. Soldiers entered the pharmacy and questioned the proprietor. "You are M. X—?" "Yes." "You took the Sub-Prefect to Etain?" "I did." "Step outside." The pharmacist stepped outside. A firing-party was drawn up, and he was shot in front of his own premises in full view of all his family.

EVERY FRENCH SOLDIER in the field carries a "first-aid" package. This contains (1) a "plumasseau" (a sterilised and purified piece of Gangee tissue); (2) a purified and sterilised compress; (3) a band of fine sterilised woven material; (4) eight inches or a foot of impermeable sterilised material; (5) two safety-pins. A wounded soldier is instructed to "place himself in a ditch or hollow protected from projectiles, or behind a hedge, and, if possible, near a wounded comrade for mutual aid." He should open the canvas bag, the waterproof envelope, and the paper in which the field dressing is wrapped, "wipe the part round the wound without touching the wound itself, and apply to the wound" (1) the plumasseau (the part which is to be placed in direct contact with the wound must not be touched by the fingers); (2) the sterilised compress; (3) the impermeable band. He should then fix the woven material outside by means of the safety-pins, "exercising a moderate pressure," and "wait for the ambulance."

LOUIS MOISSAN'S WILL.—Several of the staff of the Paris Superior School of Pharmacy are at present in the fighting line. The first to fall was Louis Moissan, Preparator of Toxicology, whose death was reported in the *C. & D.*, September 12. His father was the well-known Professor Moissan—the man who made diamonds by means of the electric furnace. Louis Moissan was wounded at Mangiennes on August 10, and died on the following day. When his will was opened it was found to contain a bequest of 8,000*l*. to the Paris Superior School of Pharmacy. The interest of this sum is to be divided annually into two prizes, one to be known as the "Moissan Prize" and the other to bear the name of his maternal grandfather, who was in days gone by a retail pharmacist at Meaux. The will likewise provides that M. Henri Moissan's collection of chemicals, as well as the apparatus with which he isolated fluorine, shall be handed over to the Superior School of Pharmacy as a souvenir of the brilliant professor.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

The Commonwealth.

EXPORT PROCLAMATIONS similar to those made in the United Kingdom regarding the export of war stores were issued in the Commonwealth on August 6.

THE WAR.—The Pharmaceutical Council of Western Australia has contributed 50% to the Patriotic Fund in aid of the dependants of the Commonwealth Imperial Expeditionary Force.—The Pharmaceutical Society of New South Wales is collecting funds for the same object.—The Pharmaceutical Society of Australasia has offered the Melbourne College of Pharmacy to the Defence Department as a central depot for the mobilisation of pharmacists and dispensers in connection with the Army Medical Corps.—THE CHEMIST AND DRUGGIST OF AUSTRALASIA is publishing the names of pharmacists who have been called up for service.—Wholesale houses have in many cases raised their prices for drugs and sundries owing to scarcity of supplies or to heavier freight-duties and insurance. The increase in some cases is 25 per cent.

STANDARD FOR INFANTS' FOOD.—At the Council-meeting of the Sydney Chamber of Commerce, held on August 25, consideration was given to a report from the Infants' and Invalids' Foods and Condensed-milk Sectional Committee, as follows:

In a report of the Commonwealth and States of Australia second conference on uniform standards of foods and drugs, dated Melbourne June 27, 1913, under specific regulation No. 19, infants' food, there is a statement that the label attached to a package containing infants' foods that do not conform approximately in proportional composition with human milk should be printed the words, "This food should not be given to infants under the age of six months, except under medical direction." The principal medical officer for the Commonwealth, Dr. Campston, when being pressed to state the standard at present fixed for human milk, gave the standard as follows: Fat 3.5 per cent., protein 1.5 per cent., sugar 6.5 per cent., and the permissible deviation as 20 per cent. either way. The principal medical officer stated this was a provisional decision and subject to revision after discussion with State authorities. The Infants' and Invalids' Foods Section recommends that, in view of the variability of human milk, the deviation from the composition of the average human milk and the suggested standard—fat 3.5 per cent., protein 1.5 per cent., and sugar 6.5 per cent.—be 50 per cent. either way, and that the Commonwealth and State pure food authorities should have this recommendation before them.

It was also pointed out that the label worded "This food should not be given to infants under the age of six months, except under medical direction," was too drastic if applied to a food which contains starch in a proportion not exceeding 1 per cent., so it is recommended that the Commonwealth and State pure food authorities be approached with the idea of amending the labelling regulations as follows: "Any infants' food which contains starch in a proportion not exceeding 1 per cent., but otherwise conforms approximately in proportional composition to human milk, shall be labelled in bold-faced sans-serif capital letters of not less than six points face measurement with the words, 'This food is not to be given to infants under the age of one month, except under medical direction.'"

The recommendations of the Committee were adopted.

New South Wales.

PHARMACY BOARD.—At the meeting held in Sydney on August 11 a communication was received from the Department of Public Instruction stating that the Minister proposes to make such provisions as will enable the University to give instruction necessary for preparation and training of pharmaceutical students. The election of officers then took place as follows: *President*, Mr. A. Wadsworth (re-elected); *Treasurer*, Mr. T. S. Loney. Mr. E. C. Scholfield was co-opted a member of the Board in place of Mr. A. E. Sharpe, who had resigned.

Queensland.

PHARMACEUTICAL SOCIETY.—The annual dinner, held at Brisbane in August, was attended by between sixty and seventy guests. These included the Minister of Education, Mr. Henderson (the Government analyst), Mr. Brunlich (the agricultural chemist), Mr. McCall (chief analyst), Mr. S. H. Stroud, Ph.C., and many local doctors and pharmaceutical chemists. Many speeches were made, and the dinner went with a swing until midnight. Mr. J. W. Case (the President) was in the chair.

Victoria.

A VETERAN PHARMACIST.—Mr. Frederick Wheeler, who has just disposed of his business at Alexandra to Mr. J. Llewellyn, holds one of the earliest remaining certificates

on the Victoria Register—No. 15. Mr. Wheeler, who landed in Australia in 1864, had his first experience of drugs with Mr. William Smith, Walworth Road, London, with whom the late Dr. John Attfield was apprenticed. He was for a time with Dr. Jas. Boyd, of Bendigo, where he had a good deal of experience of general medical practice as well as pharmacy. He then went to Hobart, and afterwards followed the gold rushes, being in business at Gengen and Gobur, and leading an adventurous life before finally settling down in business at Alexandra. Mr. Wheeler is now about to settle in Melbourne, to place Wheeler's tonic on the market.

Western Australia.

PURE FOOD REGULATIONS.—The Pure Food Regulations suggested at the last Conference in Melbourne in June 1913 were proclaimed in a special Government Gazette issued in July. Regulation 71, which provides for the declaration of certain drugs and for the disclosure of formulae or lodgement with the Department, is not gazetted. Regulation 61 (West Australia), which provides for the declaration of certain drugs, is not repealed, so that the position is that West Australia, in adopting the Conference regulations, omits No. 71, and the Western Australian Regulation No. 61 is still in force. The general opinion is that this is a measure in the right direction, as the latest Conference regulations are most up to date.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

O.F.S. Medical and Pharmacy Council.

THE following members of the Council were present at the monthly meeting held on September 11: The President (Dr. A. B. Ward), Drs. S. G. Friedmann, W. Johnson, J. L. Pretorius, and G. H. Usmar, Mr. E. Whiteside (dental member), and Messrs. S. S. Hewitt, A. McMurray, and J. Rawling (pharmaceutical members). A letter was read from the Secretary for the Interior thanking the Council for falling in with the wishes of the Government in respect of the curtailment of expenditure necessitated by the war. The Government offered to make a grant to meet any small expenses, such as postage, telephone rental, etc. The following registration effected by the Executive Committee was confirmed: Hugh Archibald France (Chem. and Drug., G.B., 1893) as a chemist and druggist; address, Brandfort. The following motion was proposed by Dr. Friedmann and seconded *pro forma* by Dr. Johnson, who expressed himself unfavourably towards the motion, but thought it advisable to have it discussed:

"That in view of the new conditions created by the circular issued by the Minister of the Interior with regard to the financial arrangements subsisting between the Government and the Council, the latter should apply for power so to amend the regulations that candidates presenting themselves for examination should pay the fees of the examiners, this amended regulation to remain in force until normal conditions are re-established."

Mr. Hewitt expressed himself as strongly opposed to throwing the expenses of the examination on to the candidates, who as a rule were young men with a minimum of money, and that generally belonging to parents or friends. If there were any need for the action proposed, the suggestion should have come from the chemists as the persons most directly concerned.

Mr. Rawling associated himself with Mr. Hewitt's remarks, and Mr. McMurray also protested against the motion.

Dr. Friedmann, in replying, maintained that his motion constituted the only way out of the difficulty. It was evident that examiners would not give their services for nothing. He had brought the motion forward as he knew no chemist would do so.

The motion was lost, Dr. Friedmann alone voting for it.

Mr. Hewitt and Drs. Friedmann, Johnson, Usmar, and the President offered their services as examiners without fees for the present.

The President pointed out that it was quite evident that the Government was prepared to advance such amount as would be necessary to enable the Council to carry on.

The report of the examiners for the Chemists and Druggists' examination was confirmed. The successful candidates were Abraham Liebrecht Brecht and Isaac Roztowski.

LEGAL REPORTS.

TRADE LAW.

Compensation Payments.—In the City of London Court on October 13, before Judge Atherley-Jones, K.C., Rose Ottley (19), 7 Queen's Row, Walworth, brought an action against Liebig's Extract of Meat Co., Ltd., 1 Thames House, Queen Street Place, to recover 65*l.* damages for injuries to her hands while working for them. Defendants had paid 43*l.* 6*s.* into court, which was 25*l.* beyond the payment for wages, and plaintiff was willing to take that, subject to the Court's approval. The certifying surgeon to whom plaintiff went did not think her injuries arose out of the employment, and therefore she brought her action at common law. Defendants desired to do what was right to the plaintiff. Judge Atherley-Jones approved of the settlement, ordering 18*l.* 6*s.* to be paid to the girl's father and the rest to be invested for her benefit.

Kephaldol Competition.—In the Court of Appeal on October 13, Lords Justices Buckley, Phillimore, and Pickford gave judgment in the interlocutory appeal of the defendants in the action of Hillman v. Kephaldol, Ltd., from an order of Mr Justice Ridley. The plaintiff claims 300*l.*, the amount of a first prize in a competition for whoever made the greatest number of English or ordinary words out of "Try Kephaldol." Alternatively he claims the second one. In order to prove his case, plaintiff requires certain documents to be produced—viz., the lists of words compiled by the judges or arbitrators and other competitors. Mr. Justice Ridley ordered the production of these documents. The defendants appealed on the ground that the documents were not in their legal possession. Lord Justice Buckley said the real point the Court had to consider was whether the committee of judges were the agents of the defendants or not. If they were agents the defendants must produce the documents. In his opinion, by the terms of the conditions ruling the competition, the judges were not the defendants' agents. The appeal, therefore, must be allowed, with costs. The other Lords Justices concurred.

A Sponge Dispute.—In the City of London Court on October 9, before Judge Rentoul, K.C., a claim was made by John Goldhill & Sons, sponge-merchants, 57 Houndsditch, London, E.C., against Mr. C. H. Wheelhouse, 198 Barkerend Road, Bradford, for the sum of 5*l.* 15*s.* for sponges. The plaintiffs' traveller said that he sold the sponges to the defendant on the terms of three months' credit, the money to be sent to the London head office. There was no question raised about the sponges being on approval at the time of the sale. The defendant's book-keeper, who appeared, said the goods were left absolutely on approval for three months, but he was unable to produce witnesses owing to the expense of bringing witnesses from Bradford. The Judge said defendant might have applied to have the case tried at Bradford. The defendant's witness said every endeavour had been made to that end. The Judge said as the amount was a fairly large one, and as the parties were before him, he thought it would be foolish to do anything else but to try the case. He had frequently stated when a tradesman gave an order far away from London the safe thing to do is to write on the order "In case of dispute the action is to be brought in the court where the debtor resides." That would avoid such difficulties as the present. After hearing the evidence the Judge thought the best way out of the matter would be for judgment to be entered for the plaintiffs for the amount claimed, with costs, the defendant being allowed to pay the amount by instalments of 1*l.* a month.

Oxalic-acid Dispute.—In the City of London Court on October 9, before Judge Rentoul, K.C., Mr. Robert W. Greeff, trading as R. W. Greeff & Co., Queen Street Place, London, E.C., sued Mr. H. H. McCarthy, export merchant, 8 Bush Lane, Cannon Street, E.C., for 28*l.* 11*s.* 8*d.* for twenty kegs of oxalic-acid crystals, 99-100 per cent., amounting each to 1 cwt., or in the whole 1 ton, at 3½*s.* per lb., f.o.b. Antwerp. The solicitor for the defendant admitted the ordering of the goods, and also that they were delivered, but contended that the present proceedings were bad while the Moratorium is in force. The contract amounted to cash on delivery. The goods were delivered at the end of July, before the war was declared. The Moratorium deferred payments due before August 4 until September 4, that being further extended to October 4. He submitted that no proceedings should have been taken until the Moratorium came to an end. He asked that the case be dismissed with costs. Mr. Davis, for the plaintiff, said that it was perfectly proper to issue a summons. If on July 31 there had been an

admission of indebtedness by the defendant, then he (counsel) agreed that the effect of the Moratorium would be that the plaintiffs could not have taken action to recover until after October 4. No interest had been paid, and there was no admission of liability. Judge Rentoul, K.C., said he had had a number of cases before him where the Moratorium was pleaded, but in these cases the Moratorium had not expired. He only tried the cases by agreement to save the parties the trouble of coming back. Defendant's solicitor urged that the debt was due on July 31, when the goods were delivered on board. He contended that the defendant had until November 4 to pay interest. Judge Rentoul, K.C., said that if the defendant had paid interest before October 7 he could have had the benefit of the latest Proclamation. As he did not do that he could not do so. Judgment must be given for the plaintiffs. Defendant's solicitor asked for leave to appeal, but the Judge said he did not require it.

The Salvarsan Patents.

At the Patent Office, London, W.C., on October 12, an application was made by Mr. Ellis, on behalf of Mr. G. M. Bresillon, for the suspension of the salvarsan and neo-salvarsan patents (13,845/10 and 7,865/12) belonging to Meister, Lucius & Brünig, Hoechst-on-Main, Germany. Mr. Ellis said that some time ago Mr. Bresillon introduced 30.5 grams of the substance "606" into this country, and Meister, Lucius & Brünig issued a writ against him for infringing their patent. The damages agreed upon were 12*l.*, which seemed to show that the substance bears a substantial profit. Since then Mr. Bresillon has not imported any, but any orders he receives are sent to Paris for execution. Mr. Ellis then proceeded to state that this application differs from that of Burroughs Wellcome & Co. (*C. & D.*, September 19, p. 51) in that the substance is actually being made at two laboratories in Paris and could be supplied immediately permission is obtained to import it. Mr. Bresillon would also agree to the payment of a royalty out of the net profits on a basis fixed by the Board of Trade. It was not desired to use the name salvarsan, but to sell the product under the names "amprisal" and "soudprisal." It would be supplied at the same price as salvarsan was supplied before the war. The fact that the two French makers were well-known firms, and that the product has been largely used in France, is sufficient to show that the manufacture would be carried out properly. Mr. Ellis then referred to a special kind of container for salvarsan which the French makers have devised, and claimed that the care taken in making the solution in this apparatus was a case of "out-Heroding Herod."

The Comptroller: Could the product be tested here from a sample of the quantity imported?

Mr. Ellis replied in the affirmative, and Dr. Passmore, who was in court, agreed on the assumption that the sample represented the bulk.

The Comptroller: When the previous case was heard we were told that the product was tested by Ehrlich as a security of its safety.

Mr. Ellis: We would be prepared to submit samples to any test to which salvarsan is subjected in this country. He added that Meister, Lucius & Brünig had refused to fill the special container which the French makers had devised, which, under another section of the Patents Act, would be a good ground in an application for a compulsory licence. This is, he said further, the first case in which the applicant desires to sell a product made outside the United Kingdom; he was not sure whether on that account the application would be entertained.

The Comptroller: That is not an absolute bar in this case, as, although we want to encourage trade in this country, we may also require to secure supplies from anywhere.

Mr. Ellis contended that the manufacture of the substance in this country would not mean much employment, other than a few highly skilled chemists.

Sir Cornelius Dalton: You want a licence to sell. Is there any precedent for that?

Mr. Ellis quoted the words "and vend" of the Rules, and it was agreed that selling the patented article in this country would be an infringement of the patent.

At this stage Mr. Potts, who was watching the case for the Etablissements Poulenc, who are also applying for a licence to vend, intervened. He contended that the French house he represented were the people, if anyone, who should have the licence.

The Comptroller remarked that possible legislation on the question of compulsory licences has been foreshadowed.

Mr. Ellis then called Mr. Bresillon, who said that he had found a shortage of salvarsan, and also that some dealers

had raised the price. The product is made in France, where patents are not granted for medicinal substances. Cross-examined by Mr. Gray (who appeared for Meister, Lucius & Brüning, Ltd., in opposition to the grant), witness said that he was told at the Westminster Dispensary that a traveller could not supply 400 tubes of salvarsan. Other firms had been told to wait for supplies. Witness further stated that an advertisement in the medical papers offering to supply "914" (neo-salvarsan) referred to the sale abroad. He had asked Meister, Lucius & Brüning to fill the special French apparatus with salvarsan, but had not received a reply.

Mr. Gray submitted that there is no evidence that the Paris firm is competent to manufacture the article and, further, that applicants are required themselves to manufacture the patented article. He said that there is no shortage in the supply of salvarsan, and that a licence to import would prevent the substance being made in this country.

Dr. Passmore was called as witness. He said he is familiar with the manufacture of the drug; had visited the works at Ellesmere Port and examined the plant put down on the specification of Professor Ehrlich. There is a substantial amount of salvarsan in stock, but no demand from wholesale houses. He had been requested to report on the situation by the Chairman of the Committee on the shortage of drugs. Only chemical tests are applied at Ellesmere Port, but arrangements for the physiological tests are being made with the Chief of the Biological Department of the London Hospital.

Cross-examined by Mr. Ellis, witness said that probably other firms could make arrangements for physiological testing in this country. After further questions as to the selling price and cost of making salvarsan.

The Comptroller asked witness whether he is aware that medical men in this country give to the public the benefit of any invention they make.

Witness replied that that applies to surgical instruments, and further admitted that in France patents are not granted for medical substances.

Mr. Ellis remarked that he believed that the Royal College of Physicians did not allow its members to patent medicinal substances.

Mr. Potts asked Dr. Passmore whether Ehrlich and Hata were in the employment of Meister, Lucius & Brüning when they discovered salvarsan?

Dr. Passmore: I cannot say. Some of the American patents were taken out in the name of Ehrlich and Hata.

Mr. Gray, summing up, referred to the question of price, and remarked that the infringer of a patent is always able to make a cheaper product, as he has not to incur the heavy initial expenses of the inventor.

The Comptroller: In the interests of the public welfare it hardly seems desirable that the manufacture should be in the hands of monopolists who may fix any price they please.

Mr. Gray contended that there is no evidence that the price charged is excessive, and he called Mr. Scholl as a witness to say that there has been no difference in the price since the war.

The Comptroller said he would report to the Board of Trade in due course.

Trade-marks of Alien Enemies.

THE hearing of applications to suspend certain trade-marks belonging to alien enemies was continued on October 14, when two applications were heard in regard to Lysol.

Mr. Sebastian, instructed by Messrs. Lowless & Co., solicitors, for Robert Young & Co., Ltd., Glasgow, stated that his clients desired the suspension in their favour of the word mark and device mark (Nos. 98,947 and 98,948). Messrs. R. Young & Co., Ltd., were chemical-manufacturers, having large works at Glasgow. Their business was not solely that of tar-distillers, but they turned out something like 300,000 gals. of cresylic acid annually. Their capital (18,000/.) was British, and they employed only British workmen. For twelve years they had been manufacturing a disinfectant substantially the same as Lysol, which they called Microbene, without knowing anything about the processes of the patent, and they had supplied this disinfectant to hospitals and councils to a very large extent. The point they wished to make was that these marks ought not to be thrown open, as that would increase the competition his clients had to face. But if that Court considered that some firms ought to be allowed to use the name and design, then his clients were entitled to get a licence to do so along with the others.

Mr. Young, managing director of Robert Young & Co., Ltd., in the witness-chair, confirmed the above statements with regard to the business and standing of his firm.

In reply to Mr. Colefax, who appeared on behalf of Chas. Zimmermann & Co. (Chemicals), Ltd., he stated that Lysol had become well known, and was a formidable competitor against the product of his firm. He did not doubt that a great deal more money had been spent in advertising Lysol than in bringing Microbene before the public. They distilled cresylic acid from blast-furnace oil, and they manufactured other disinfectants of the benzene series. There are no debentures on their property.

Replying to Mr. Ellis, who represented Pearson's Antiseptic Co., Ltd., he said he was not a chemist himself.

Professor Somerville, called by Mr. Sebastian, stated that he had analysed both Lysol and Microbene, and found them substantially the same. He had examined a sample of the "Hamburg" Lysol, and found a slight difference between it and the Lysol made by Charles Zimmermann & Co. (Chemicals), Ltd. There was 50 per cent. of cresylic acid in Microbene. He considered that both chemical and bacteriological tests were of value in dealing with disinfectants of this type.

Professor Hewlett, replying to Mr. Sebastian, said that he had tested "Hamburg" Lysol, Lysol made by Chas. Zimmermann & Co. (Chemicals), Ltd., and Microbene by the Rideal-Walker test, and found that they were substantially of similar value; in fact, Microbene was slightly better than the others. He considered that the Rideal-Walker test gave comparable results in experienced hands.

Mr. Sebastian and Mr. Colefax having summed up, the Comptroller said, regarding a remark by Mr. Colefax, that they might take it that he and his colleague would not advise the suspension of the device mark.

Mr. Lunge then applied on behalf of Mr. A. Lymm for a licence as regards the mark No. 98,948. He stated that Mr. Lymm had been in practice as a consulting chemist and chemical engineer, and was well known in Britain and on the Continent. At the beginning of the war Mr. Lymm had found that they were short of disinfectants at Antwerp, and, finding he could make a disinfectant substantially the same as Lysol, he had had a quantity made by Messrs. John J. Bowater & Co., West Bromwich, and sent to Antwerp. He found that soda could be used in place of potash. He now desired to turn his experience to a commercial end, and if a licence were obtained the disinfectant would be manufactured by Messrs. Bowater, under the supervision of Mr. Lymm. A company would be formed, and both Mr. Lymm and Messrs. Bowater would be financially interested in the undertaking. There would be ample funds available.

Mr. Lymm and Mr. J. Wallace Bowater, of Messrs. J. J. Bowater & Co., in evidence confirmed the above statement.

Mr. Lunge then summed up, and the Comptroller will report to the Board of Trade.

NOTICES OF APPLICATIONS.

The notices of applications for suspending trade-marks of alien enemies given in the "Trade-marks Journal" for October 14 include the following:

"LYSOL," 98,947 and 98,948. Ap., W. Cooper & Nephews, and as regards 98,948 B. L. N. Phillips, Ltd. These are to be heard on October 30.

"NERDOL," 340,088, 340,089, 340,090, and 340,091. Ap., C. S. Bedford, Leeds.

The notices of applications to avoid or suspend patents or licences printed in the "Illustrated Official Journal (Patents)" include the salvarsan patents (Applicant Etablissements Poulenc Frères), and several synthetic tanning compounds and dyestuffs.

Company News.

BORAX CONSOLIDATED, LTD.—A dividend at the rate of 6 per cent. per annum has been declared on the preferred ordinary shares in respect of the half-year.

PARKE'S DRUG-STORES, LTD., announce the payment on October 20 of the final dividend on the preference shares for the half-year ended September 30, 1914, at the rate of 6 per cent. per annum, less income-tax.

A. & F. PEARS, LTD.—The directors have declared a dividend for the half-year ended June 30, 1914, on the ordinary shares at the rate of 12 per cent. per annum, making, with the interim dividend, 10 per cent. for the year. A further sum of 10,000/., has been added to the reserve account.

PHARMACEUTICAL SOCIETY OF IRELAND.

Annual Meeting.

THE annual meeting of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on October 5. The following members of the Council were present: Dr. J. A. Walsh, Messrs. Geo. D. Beggs (Hon. Treasurer), John Smith, and Thomas Batt. The following members of the Society were also present: Messrs. Victor E. Hanna, Henry Conyngham, and Robert S. Conyngham, M.A.

Dr. Walsh took the chair in the unavoidable absence of the President.

The REGISTRAR (Mr. Arthur T. Ferrall) read the minutes of the last annual meeting, which were approved of and signed by the Chairman.

RE-ELECTION ON THE COUNCIL.

The CHAIRMAN said there were no new candidates for election on the Council, and he therefore declared the retiring members of the Council re-elected. They were Sir William Baxter, D.L., J.P., Messrs. Jamison, Beggs, Burnett, Connor, Wells, and White.

THE PRESIDENT'S ADDRESS.

The CHAIRMAN said: Our President is not able to be with us to-night as he is in London on the Society's business. I understand that there is something on foot on the other side with regard to the supply of drugs and medicines to the necessitous dependants of those who are at the Front. The movement is not confined to the English Society, but includes representatives of the British Medical Association, the Irish Medical Association, and other bodies; and it was thought advisable that the Irish Pharmaceutical Society should have a representative at the committee-meeting to be held that day in case any questions arose as to the lines of administration that should be adopted in Ireland. The President's address was then read by Dr. Walsh.

THE REGISTERS.

In the statistics for the past year which the President usually reviews we find, as regards the Registers, that we have 976 pharmaceutical chemists on the Register, as against 952 in 1913—that is, an increase of 24. We have 158 pharmaceutical assistants, as against 147—that is, an increase of 11. We have 162 chemists and druggists, as against 163—a decrease of one. Of registered druggists we have 610, as against 598—an increase of 12. The total increase for the year in the four different classes is 47—that is, we have on the Register pharmaceutical chemists, pharmaceutical assistants, chemists and druggists, and registered druggists to the number of 1,907, as against 1,860 last year. The deaths recorded during the past twelve months included 11 pharmaceutical chemists, 1 pharmaceutical assistant, 1 chemist and druggist, and 1 registered druggist—a total of 14. Referring back again to the Registers, you will see that we have an increase in the three classes—pharmaceutical chemists, pharmaceutical assistants, and registered druggists. These are the only classes in which we could have an increase, because the chemists and druggists are a class who are gradually diminishing. One died during the year, and that leaves their number one less. The subscribers, I am sorry to say, bear a very sad ratio to the numbers of the Licentiates. The subscribers among the members are 351 out of a possible 976. Last year there were 323, so that we have an increase of 8. Of the Associate druggists, on the other hand, we have now 24 subscribers, as against 29 last year—a decrease of 5. That leaves a net increase of 3. The Society has lost three subscribers through death—namely, two members (Henry Boyers and John Hely) and one Associate druggist (John McLoughlin).

THE EXAMINATIONS.

With regard to the examinations, in the Preliminary examination we had 84 candidates this year, as against 97 last year, being a decrease of 13. Of these 84 candidates, 47 were rejected, as against 38 rejected candidates last year. In other words, there were 9 more candidates rejected this year, and 37 passed this year, as against 59 last year, a decrease of 22. There were registered on certificates from other bodies 29, as against 31 last year, so that the total number of students registered during the year was 66, as against 90 last year, or a decrease

of 24. The following two Preliminary candidates passed with honours: Michael H. Glynn, who scored 85½ per cent., and Helen R. Cunningham, who scored 81½ per cent. Last year only one candidate scored over 80 per cent., but five others passed with honours; and several others obtained over 70 per cent., but failed to attain to the requisite standard in all subjects. The number of candidates who presented themselves for the Pharmaceutical Licence examination was 101, as against 95 in 1913—an increase of 6. Sixty-five were rejected, as against 53, and 36 passed, as against 42 in 1913. This was a decrease of six. The following candidates passed with honours: Miriam E. Hanna, who obtained 264 marks out of a possible 300, and was awarded the gold medal; Samuel Orr, who obtained 245 marks and was awarded the silver medal; Richard T. Taylor, who obtained 237 marks; Alfred E. Ferris, who obtained 231; Francis P. Murray, who obtained 226; and Thomas Mockler, who obtained 214. In the Pharmaceutical Assistant examination we had 23 candidates this year, as against 13 last year—that is, an increase of 10. There were 12 rejected this year, as against 6 last year, so that 11 passed, as against 7 in 1913, or a net increase of 4. In the Registered Druggist examination we had 24 candidates, as against 31 last year. Eleven candidates were rejected, as against 17 last year, with the result that 13 passed in 1914, as against 14 in 1913, or a decrease of one.

THE SCHOOLS

continue under the direction of the same professors as last year—practical chemistry under Professor P. Kelly, M.P.S.I.; theoretical chemistry under Professor George Brownlee, B.Sc.; materia medica under Dr. T. Mather Thomson, M.P.S.I.; and botany under Dr. J. A. Clarke. As regards the number of students in the different schools, in the practical chemistry school we had only 16 students, as against 26 in 1913, being a decrease of 10. On the other hand, in the theoretical chemistry school we had 25 students this year, as against 4 last year, being an increase of 21. Of course, you will remember that theoretical chemistry has only become compulsory during the last few years. In the botany and materia medica school we had 33 students this year, as against 37 last year—a decrease of 4. The total in the schools this year is 74, as against 67 last year, so that there is a net increase of 7. The heavy falling-off in the attendance at practical chemistry is probably due to the new Regulation requiring prior attendance at theoretical chemistry, and is likely to be but temporary. Prizes competed for at the Sessional examinations were awarded to the following: Practical chemistry class—1st prizes, Hubert Sweeney, 85 per cent., and Eustace H. Webb, 80 per cent.; 2nd prize, James J. McHenry, 75 per cent. Materia medica class—1st prizes, Michael J. Corbett, 87 per cent., James J. Cosgrave, 70 per cent., and Eustace H. Webb, 77 per cent.; 2nd prizes, Louis H. Parks, 83 per cent., and Hubert Sweeney. Botany class—1st prizes, Michael J. Corbett, 71 per cent., James J. Cosgrave, 72 per cent., and Eustace H. Webb, 75 per cent.; 2nd prize, Hubert Sweeney.

PHARMACY LAW OFFENDERS.

The Law Committee continued to keep a vigilant watch for offenders against the Pharmacy Laws. The prosecutions during the past twelve months included three traders for keeping open shop for the sale of poisons (or poisonous preparations). Two were County Council licensees, and the articles sold were covered by their licences; they neglected, however, to carry out the Privy Council regulations, and therefore became liable to the penalties laid down in Section 30 of the Pharmacy Act (Ireland), 1875. Two assistants of the traders were fined also for selling. In all these cases the Lord-Lieutenant reduced the penalties, consequently instead of 30l., the reduced penalties totalled only 8l. Four persons (two of whom were registered druggists) were fined for keeping open shop for compounding. Two persons (one pharmaceutical chemist and one registered druggist) were fined for having branches without qualified managers. One assistant of above was also fined for selling poison. One limited company was fined for non-reply to the Registrar's letter of inquiry under Section 18 of the Act of 1890.

THE EXAMINERS

are the same as last year, with the exception that Mr. James Moles, B.L., one of the Preliminary examiners, has retired under the five years' limit Mr. Robert S. Conyngham, M.A., M.P.S.I., being appointed in his place.

WHY CANDIDATES FAIL.

The foregoing statement, continued the address, reviews generally the work of the Society during the past year, but I should like to say a little more about our examinations. It will be noticed that during the past

year there was a higher percentage of failures both in the Preliminary and Licence examinations. This high mortality is, in a great many cases, undoubtedly due to incomplete preparation. There is no doubt that the rising generation do not seem to take their work so seriously as was formerly the case. There are now so many distracting influences even in small country towns that this is not at all to be wondered at. Illustrated newspapers, picture-theatres, and various other amusements are ubiquitous and so cheap as to explain a lot of the careless and incomplete preparation which is so manifest to anyone who looks at the papers written by candidates at our examinations and listens to the answering at the oral parts of the examinations. It is unquestionably the case that our examiners have more difficulty in passing candidates than in rejecting them. This is particularly the truth as regards the Licence examination. There are, of course, candidates at all the examinations who from start to finish show a proficiency which is most refreshing, but in too many cases it is painful to see the difficulty the examiners have in drawing out the candidates and trying to discover any part of a subject with which they are familiar. It is fairly evident that a considerable percentage of the candidates come up for the examination "to see what it's like" (with the off chance of getting through), and information is forthcoming that many candidates enter against the advice of their teachers. Of course, on the other hand, it must be recognised that owing to various causes a good candidate may be rejected, and the Council is naturally anxious to reduce that probability to a minimum. With that end in view it has had under consideration a plan to allow candidates an opportunity of visiting the Society's pharmacy before the examination, so as to become familiar with its arrangement. It has also been proposed to have printed a detailed plan of the pharmacy, a copy of which would be sent to each candidate on his entering for the examination. The Council would, I am sure, welcome any other practical suggestions which, if put in practice, would minimise the disabilities under which candidates suffer by being obliged to do their practical work in unaccustomed surroundings, or which would in any way improve our examinations as a real test of the knowledge possessed by those who enter for them.

THE COUNCIL-MEETINGS.

During the year the Council-meeting day was, as you are no doubt aware, changed from the first Wednesday to the second Tuesday of each month, and it is hoped this arrangement will be an improvement. I have to thank my colleagues on the Council for their hearty support during my year of office as President, and especially I have to thank our Registrar, who, as we all know, lives, moves, and has his being almost solely for the Pharmaceutical Society of Ireland, which he has now for so many years served so single-mindedly. (Applause.)

THE TREASURER'S STATEMENT.

Mr. BEGGS (Hon. Treasurer) submitted his financial statement. They all had received, he said, copies of the accounts for the year. Looking at their balance, they would say, at the first glance, that they were worse off, to the extent of 10/., than they had been on the occasion of the closing of last year's accounts. But the explanation of that is that last year's balance-sheet was an eleven months' balance-sheet, and the balance-sheet on the present occasion is for a full year. With regard to the fees, there has been a falling-off in the number of the Preliminary examination fees—from 68 to 56; in the Preliminary re-examination they had 34 fees this year, as against 32 last year; they have a much greater falling-off in the Pharmaceutical Licence examination fees, the number being 13, as against 27 in 1913. That is considerably over-balanced by the number of the Pharmaceutical Licence re-examination fees, of which there were 59, as against 26 in 1913. They had 13 Registered Druggist examination fees, as against 15 last year, a falling-off of two. They had 10 Registered Druggist re-examination fees, as against 12 last year, also a falling-off of two. They had 18 Pharmaceutical Assistants' examination

fees, as against 7 for 1913, and 6 Pharmaceutical Assistants' re-examination fees, as against 3 the previous year. He was glad to see that their membership has increased from 236 in 1913 to 282; they have 21 Associate Druggists' subscriptions, as against 16 in 1913; and they have one life member. At the present moment their balance in bank was 105/ 1s. 11d.; something had been lodged on Saturday—10/. They had a voucher for their stock—1,800/ 2s. 5d. The accounts had been duly audited.

Mr. HANNA proposed, and Mr. R. S. CONYNGHAM seconded, that the accounts be passed.

The CHAIRMAN, in putting the motion to the meeting, said he would call attention, as Mr. Watson had done in his address, to the small number of members who subscribed to the funds of the Society compared with those who really ought to do so. Of course, the Society is not in want: it is well in funds; but he thought it a strange thing that such a small proportion of the members subscribed to the funds, at the same time expected such protection from it, and are very captious when they considered that the Law Committee is not doing its utmost to protect them.

The motion for the adoption of the accounts was passed unanimously.

ABSENTEES.

The REGISTRAR said that Mr. Wells desired to apologise for his inability to attend the meeting. Mr. W. Hopkins Ashmore wrote regretting that he was unable to attend. Letters had also been received from Mr. Samuel Hogg, Belfast, and Mr. Samuel Orr, Belfast, the last-named regretting his inability to be at the meeting to receive in person the silver medal which he has been awarded.

PRESENTATION OF THE MEDALS.

The CHAIRMAN said he had very great pleasure in handing to Mr. Victor Hanna the gold medal won by Miss Hanna (his sister). He was sure that it was a very great pleasure to all of them that a lady had got such a distinction, and he was sure it is only a prelude to her success in life. He handed to the Registrar the silver medal for Mr. Orr, remarking that he could not help sympathising with Mr. Orr, considering that he got such splendid marks—marks which in other years would have fully entitled him to the gold medal. Mr. Orr was, however, chivalrous enough to wish to yield the place of honour to Miss Hanna.

PHARMACEUTICAL ASSISTANTS' EXAMINATION.

Mr. HANNA said he wished to refer to the place which the Pharmaceutical assistants occupied in the Calendar and in the President's address. First in order came the Preliminary examination, then the Pharmaceutical Licence examination, and next the Pharmaceutical Assistants' examination. It would be a great encouragement to the assistants if they came next in order after the Preliminary.

The CHAIRMAN said the reason the Assistants' examination appeared in the order Mr. Hanna had referred to was because in point of time it was after the others.

Mr. HENRY CONYNGHAM asked the Chairman to convey to the Council that many considered that some alteration should be made in the regulations for the Assistants' examination in the way of giving some concession as regards time, such as, say, two and a half years instead of four. Many assistants who might otherwise go in for the Assistants' examination said, "Oh, well! I have to fill four years, and I am reading for the Final examination, and it is not worth my while going in for the Assistants'." He thought it would be a great incentive to many young men if they could pass the Assistants' examination on their way to the Final. He also suggested the advisability, if it were possible, of allowing them in the Assistants' examination one subject that would count in the Final.

Mr. BEGGS said he did not think the course suggested by Mr. Conyngham was adopted in any other public examinations, such as those of the College of Surgeons. He did not think that students got credit for one subject out of the syllabus.

The CHAIRMAN said that in the College of Surgeons'

examinations subjects such as chemistry and anatomy are dropped after the Intermediate examinations which the students pass in their course. He was quite at one with Mr. Conyngham, and he had urged the matter very strongly on the Council on some former occasions. If a student has to wait four years before going in for the Assistants' examination he naturally said, "I might as well go for the Final and not the Assistants'," especially as it would mean extra fees without getting any concession in the Final examination. The majority of the Council has always met him by saying, "If you qualify an assistant he is thereby qualified to carry on the business of a pharmaceutical chemist during the temporary absence of the proprietor," and most of them considered that any man who had been less than four years at the business should not be allowed to do that. He strongly urged at one time that the assistants should be allowed to do it after three years. There were some men who were quite capable of managing shops after twelve months, and there were others who were not capable of doing so after twelve years.

Mr. CONYNNGHAM: That is my experience.

The CHAIRMAN: And the examination should be the test as to whether a man is capable or not. He added that several members of the Council are at present giving the matter consideration, and he expected that it would soon come before the Council.

The meeting recommended that the Pharmaceutical Assistants' regulations should in future be placed after those of the Preliminary examination in the Calendar.

LICENTIATES AND MEMBERSHIP.

Mr. H. CONYNNGHAM asked how it was proposed to induce Licentiates to become members of the Society.

The CHAIRMAN: I think the receipt of THE CHEMIST AND DRUGGIST every week ought to be an inducement.

Mr. CONYNNGHAM: One thing they might consider is that they are being protected against unfair competition. Many are very willing to write to the Society when they think their toes are being pinched.

The CHAIRMAN: It is not those who subscribe that are most likely to complain; it is those who won't subscribe.

Mr. BEGGS: In eight cases out of every ten the letters that we receive from the Licentiates of this Society are from non-members. We who do subscribe are putting our hands in our pockets. We have to make good the cost of the prosecutions, because the Lord-Lieutenant invariably reduces the fine from 5*l.*, to which we are entitled, to 1*l.* or 10*s.* 6*d.*

Mr. CONYNNGHAM: I would not spend a shilling of the money of the Society under those conditions.

Mr. BEGGS: I advocated that we should collect breaches of the law, tabulate them, and send them up to the Castle, and say, "Do your duty." They have given us an Act of Parliament to protect the public, but they give us no funds to carry it out.

Mr. SMITH remarked that the Society had very few members from the South of Ireland.

Mr. CONYNNGHAM: I would not undertake any prosecution except in a case where a member of the Society is interfered with. I would not go outside and protect people who are not members of the Society. Such a course would bring in members better than anything else.

The CHAIRMAN: When a man pays fees for his examination he is entitled to some protection.

On the motion of Mr. HENRY CONYNNGHAM, seconded by Mr. BEGGS, a vote of thanks was passed to the Chairman, who expressed his thanks.

The proceedings then concluded.

Council-meeting.

At the meeting of the Council, held at 67 Lower Mount Street, Dublin, on October 13, Mr. D. M. Watson was re-elected President, Mr. James Tate Vice-President, and Mr. G. D. Beggs Treasurer.

EAST INDIAN CINCHONA.—During the twelve months ended March 1914 the exports from India were 605,102 lb., as compared with 659,285 lb. in 1912-13 and 410,032 lb. in 1911-12.

BIRTHS.

Authenticated notices are inserted without charge.

DIX.—At The Hayes, Malpas, Cheshire, on October 8, the wife of Henry W. Dix, chemist and druggist, Pontypool, of a daughter.

HASLETT.—At Killeague, Greenisland, on October 4, the wife of J. R. Haslett (Messrs. J. & J. Haslett, Ltd., chemists and druggists, North Street, Belfast), of a son.

MANSON.—At 47 Lonsdale Street, Belfast, on October 4, the wife of David Manson, druggist, 79 Peter's Hill, of a daughter.

ROBINSON.—At 45 Wills Road, Berea, Durban, South Africa, on August 29, the wife of Fred I. Robinson, chemist (formerly of Belfast), of a son.

MARRIAGE.

Authenticated notices are inserted without charge.

HOLLIS—RICHMOND.—At the Parish Church, Great Yarmouth, by the Rev. W. McCarthy, on October 8, Bert Hollis, Caister, to Mabel, second daughter of Mr. A. E. Richmond, chemist and druggist, Great Yarmouth.

DEATHS.

Authenticated notices are inserted without charge.

ATWELL.—At Sydney, N.S.W., on August 6, Mr. B. A. Atwell, representative of the Australian Drug Co., Ltd. Mr. Atwell was registered as a chemist and druggist in Great Britain in 1877, but his name is not on the Register for 1914.

FOSTER.—At 42 Abbey Walk, Halifax, on October 9, Edith, wife of Mr. Ernest U. Foster, chemist and druggist, manager of Boots Cash Chemists, Ltd., Halifax.

FRANCIS.—At 12 Arundel Street, Portsmouth, on October 8, Mr. Frederick Charles Francis, chemist and dentist (late National Dental Hospital), aged sixty.

LOVESY.—At Ilford, on October 8, Mr. Thomas Henry Lovesy, in his seventy-fourth year. He entered the employ of the proprietors of THE CHEMIST AND DRUGGIST in 1870, and occupied the position of head bookkeeper. His faithful services were much appreciated by his employers, and his colleagues lose in him a fund of reminiscence of the early period in the history of the business. He was a widower, and leaves one daughter. The funeral took place on October 13, and was attended by many of his old colleagues at 42 Cannon Street, who also sent a magnificent floral tribute.

PETRIE.—At Aberdeen, on October 3, Mr. James Jameson Petrie, chemist and druggist, aged seventy-eight. Mr. Petrie was registered as in business before August 1, 1863.

ROYSTON.—At Wick, Worcestershire, recently, Mr. Charles Royston, aged ninety-one. Mr. Royston was assistant to the late Mr. William Martin, chemist and druggist, Pershore, for about thirty years.

SMITH.—At 33 High Street, Barton-on-Humber, on October 7, Mr. Richard Fox Smith, chemist and druggist, aged sixty-five.

TROUP.—In Natal, South Africa, on October 10, Mr. James Troup, chemist and druggist, late of Aberdeen and Falkirk, eldest son of the late Mr. Robert Troup, Monquhitter.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

TAYLOR'S DRUG CO., LTD., have opened a branch at 65 Mandale Road, Thornaby-on-Tees.

BOOTS CASH CHEMISTS, LTD., have taken over the business of Mr. J. B. Foggitt, chemist and druggist, 367-369 Lord Street, Southport, and transferred it to their branch at 383-391 Lord Street.

THE PYORRHEA CRAZE.—Dr. Morton Small, writing in "The Lancet" of September 12 (p. 719), states that the fact that extraction is not necessary in all cases of pyorrhea is the truth, and needs insisting on.

TRADE NOTES.

We shall be glad if those who have occasion to communicate by telephone with THE CHEMIST AND DRUGGIST will note that our number is now 3617 Central (three lines).

FELLOWS' SYRUP has not been increased in price as a result of the war. This announcement is made in an advertisement in this issue.

SANTONEX and Creme Tokalon are among the new toilet-articles which are being introduced by Tokalon, Ltd., 212-214 Great Portland Street, London, W.

VITAGEN is the name of a casein and glycerophosphate food of which the proprietor is Mr. John Lorimer, Balfour House, 119 Finsbury Pavement, London, E.C.

DR. HOMMEL'S HEMATOGEN is being manufactured in Switzerland. So states the advertisement of Messrs. Gerth Van Wyk & Co., 36 and 36A St. Andrew's Hill, London, E.C.

MR. ARTHUR BERLINER is a British-born subject, and he is offering 50*l.* reward for information that will lead to the conviction of anyone libelling him by describing him as a German.

WINTER CONTRACTS for malt extract and malt and oil. Messrs. Corbyn, Stacey & Co., Ltd., Brunton's Wharf, Commercial Road East, London, E., ask to be allowed to tender for these winter foods.

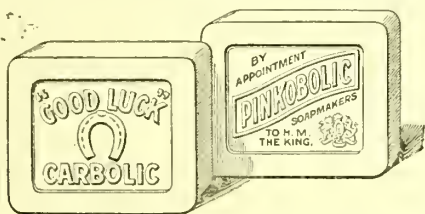
HYGIENIC FEEDERS.—Mr. Henry Samson, Stoneham Glass-works, Stoneham Road, Upper Clapton, London, N.E., calls attention in our advertisement pages to the advantages of the Hygienic feeding-bottle which he manufactures.

CONFELLAX.—Messrs. Evans, Gadd & Co., Ltd., wholesale druggists, Fore Street, Exeter, have recently introduced a laxative confection under the name of Confellax. It is pink in colour, sweetened, and flavoured. We presume the basis is paraffin, but it is so skilfully disguised that the public will hardly suspect it. Confellax is priced at 1*s.*, 1*s.* 6*d.*, and 2*s.* 6*d.*, these being protected under the P.A.T.A. scheme at 10*d.*, 1*s.* 4*d.*, and 2*s.* 3*d.*

BISHOP'S CITRATE.—Alfred Bishop, Ltd., 48 Spelman Street, London, N.E., inform us that a rumour has lately become current that the company is no longer making citrate of magnesia. This is entirely untrue. The output of the factory has not been diminished in the least, and all orders can be filled at once. Owing to scarcity of materials the manufacture of a few of the cheaper lines was discontinued for a couple of weeks, but these are now being supplied as usual.

LEAF-EXTRACTS.—Messrs. Southall Brothers & Barclay, Ltd., Lower Priory, Birmingham, have carried a little further the matter of the scarcity of belladonna and henbane leaves required for the extracts of the new Pharmacopœia (see *C. & D.*, October 10, p. 46). The General Medical Council state that it will be some time before medical men will specify the new extracts, and that extractum belladonnæ viride will continue to be ordered. Messrs. Southall Brothers & Barclay, Ltd., have replied that the pharmacist will be bound to use the extract after December 31, as that will be the only extract of belladonna official. They ask that an official pronouncement be made that the green extract may be dispensed in these circumstances.—Messrs. Southall Brothers & Barclay, Ltd., in this issue make an offer of new showcards for Vitafer Food. This is in continuation of the vigorous campaign they have entered into in connection with this British product.

"GOOD LUCK" SOAP.—We referred last week to the gift of half-a-million tablets of soap which the Government has accepted for the use of the Forces from Messrs. Joseph Crosfield & Sons, Ltd., Warrington. Already 100,000 cakes



of the soap have been sent abroad, and the balance will be supplied as required during the next few weeks. The soap is a specially moulded form of the well-known disinfectant "Pinkobolic" soap, each cake being branded with the words

"Good Luck" as shown in the illustration. Those who are aware of the importance of protecting soldiers from bacteria and insect-pests, to which masses of men are particularly exposed, will appreciate the thoughtfulness of selecting this particular soap for the gift. We are informed that it is intended to place the tablets on the market for a short time. They will retail at 1*d.* each, and are likely to meet with the approval of the public.

WICKERED BOTTLES.—A good demand has sprung up in this country for wicker-covered bottles for use as Eau de Cologne containers. As a result of inquiries by our Information Department, we find that Messrs. Rivers Hill & Co., Ltd., Broadstone, Dorset, are in a position to supply bottles of various shapes covered with wicker. Some correspondence which we have had discloses the interesting fact that a useful local industry is being fostered. Some samples of the covered bottles which we have received show that the work is not merely an imitation of foreign work, but that the workers have developed a distinctive style which should make the bottles even more acceptable to British users. Raffia and rush are employed either separately or combined, the work in each case being executed in a neat and workmanlike manner. We are retaining the sample bottles, and our Information Department will be glad to show them to callers.

FIVE-BARKS JUBES.—The posters and showcards which are produced to advertise "Five-barks Jubes" are always



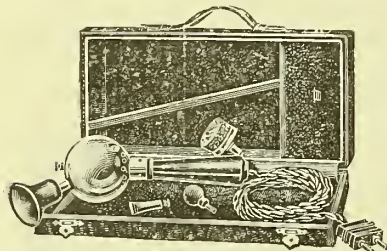
of attractive posters exert an irresistible influence on the public and has a good deal to do with the large sale.

ENEMAS on the market are naturally made to meet certain demands. Those from Germany were designed for "cheapness." British manufacturers, who would never work "gum" compositions containing little real rubber, relied upon quality to counterbalance the disadvantage of price, and the reputation thus acquired is evidence of the soundness of this policy. It is possible also, by organisation for output on a large scale, to combine low price with good quality. These thoughts occur to us when inspecting samples of enemas which we have received from Messrs. S. Maw, Son & Sons, Aldersgate Street, London, E.C. The "Durbar" enema at 17*s.* 6*d.* per doz. is probably the cheapest British enema on the market at the present time, and it can be safely guaranteed for twelve months from date of supply. Low price is not, however, always the first consideration. A customer who asks for an enema that "will not split" has usually already bought experience. In such cases a seamless enema is wanted, such as the "Parese" at 2*s.* per doz. The finish of the red



rubber of this enema and its neat grey box make it a good selling line. The enema has the usual accessories—bone rectal pipe and gun elastic vaginal tube. A further step in progress is sterilisable enemas. The fact that an enema will withstand boiling is in itself a guarantee of good rubber. Sterilisable enemas necessarily have glass fittings, which, while possessing the advantage that one can see whether they are clean, have the disadvantage of fragility. In Maw's new sterilisable "Parex Brand" enema the disadvantages of glass are reduced to a minimum. All glass parts are of toughened glass. The valve at the basal end is protected by enclosure in the rolled end of the tube. The vaginal and rectal pipes, when not in use, are held by clamps to the bottom of the tin box containing the enema, and are thus prevented from rolling about. The tin box is square with rounded corners, and is well enamelled, and the instructions for use are printed inside the lid. The "Parex" sterilisable enema costs 32s. per doz.

ELECTRICAL APPARATUS.—We have had an opportunity of examining some of the manufactures of Messrs. Ward & Goldstone, electrical engineers, Sampson Works, Salford, Manchester, who are well known as makers of electrical apparatus. We illustrate the "Sampson" massage vibrator, which is of particular interest to our subscribers. It



is a strong, well-made type, easily handled, and is recommended with good results for rheumatism, neuralgia, and all nervous diseases. Messrs. Ward & Goldstone also manufacture an electric douche, which gives at will a current of hot or cold air, and may be used for innumerable purposes, such as drying the hair, drying photographic plates, etc. Both these are fitted with plugs for attaching to the ordinary electric-lamp holders. The firm carry a varied stock of medical and other electrical apparatus, and we noted particularly the Red Cross coil, a medical electric coil, with dry battery, in handsome polished cabinet, several types of electric pocket-lamps, torches, and refills for same. These goods are all British made, and chemists and others interested should write to the above address for Messrs. Ward & Goldstone's "N" catalogue, in which full particulars are given.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. ERNEST H. BARRITT, Ph.C., 1 High Street, Colchester, has been appointed a Justice for the city under the Lunacy Act, 1890.

SIR DAVID GAMBLE, chemical-manufacturer, St. Helens has accepted the mayoralty of the borough for the coming municipal year.

MR. SAMBORNE COOK, chemist and druggist, Mount Hooton Road, Nottingham, has been appointed a Justice under the Lunacy Act, 1890.

MR. J. RIGHTON, chemist and druggist, Southport, has been elected a member of the Committee of the local Guardian Society for the Protection of Trade.

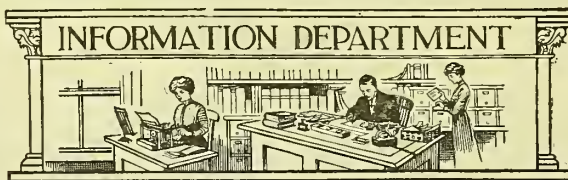
MR. WM. J. BARNES, chemist and druggist, Dover, has been appointed a Justice to exercise within the borough the powers conferred by the Lunacy Act, 1890, and the Mental Deficiency Act, 1914.

MISS DORIS ALCOCK, daughter of Mr. F. H. Alcock, Ph.C., F.I.C., Birmingham, has been awarded a minor scholarship (value 32l. 10s.) of the Birmingham City Council, tenable for four years at the High School for Girls.

MR. WILLIAM MOORE, representing Alfred Bishop, Ltd., 48 Spelman Street, London, N.E., left on October 9 for his annual journey through India and the East. He may be addressed c/o Grindlay, Groom & Co., Bombay.

PROVOST JOHN MACINTYRE, chemist and druggist, North Berwick, has intimated to the Town Council of North Berwick that he will not stand for re-election. Provost Macintyre has been chief magistrate of the town for over fifteen years.

MR. JAMES E. BEDFORD, head of the firm of Messrs. Wood & Bedford, chemical-manufacturers, Leeds, which is now part of the larger combination of the Yorkshire Dyeware and Chemical Co., has consented to be Lord Mayor of Leeds for the coming year, in succession to Mr. E. A. Brotherton.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).

Telephone Number: BANK 852 (two lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- | | |
|---------------------------------------|--|
| 120/23. "Euclein," serum for horses. | 125/19. Lewis's "Cremordent" silver-cleaner. |
| 121/2. "Iodozone": supply. | 122/41. "Arsenicol": supply. |
| 120/45. "Sanol": supply. | 106/59. Hypodermic and serum syringes: British makers. |
| 110/52. "Hermitine": maker's address. | 107/7. Beakers, retorts, and scientific glassware: British manufacturers or suppliers. |
| 124/2. "Oil of Oragine." | 107/22. Air-cushions, Japanese suppliers. |
| 124/200. "Pamphillion" ointment. | 118/10. Nickel-edged and nickel-plated hand and shaving mirrors. |
| 124/1. Porteous bath-soap. | |
| 125/20. "Antozone," a disinfectant. | |
| 125/190. "Ess. Maravillosa." | |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

- | | |
|--|---|
| Acid phosphate of calcium, 119/430 | Metal substitute (British makers), 113/1 |
| Acid sulphate of potash, 119/43 | Milk powder, 92/49 |
| Ampoules, empty, 120/31 | Molex, 102/1 |
| Antiphones, 122/41 | Musculosine byla, 91/35 |
| Arthenal, 122/54 | Nail nippers, 95/74, 95/5, 96/53, 96/48, 97/27, 97/53, 97/58, 99/36 |
| "Bardella" crêpe bandages, 117/15 | Nasal-douche makers, 114/65 |
| Bone mounts and shields, 120/41 | Neo-Salvarsan, 119/1 |
| Bronzed douche-cans, 121/8 | Nickelled shaving mirrors, 109/54 |
| Camel-hair throat brushes, 113/31, 113/35, 116/22 | Oxalic acid (for Russia), 119/73 |
| Camphenol, 112/290 | Oxydol, 115/490 |
| Capillaire, 105/57 | Ozoline, 108/66 |
| Caustic potash, 111/320 | "Parrot" brand eucalyptus oil, 92/18 |
| Celluloid eye-shades (British makers), 114/43, 116/22, 111/2 | Pedure corn-planes, 121/801 |
| Chemical plant, 108/53 | Perfume bottles (British make), 120/48 |
| Chloride of lime (for France), British makers, 114/3 | Perfume-sprays, 95/5, 97/27, 97/28 |
| Clement's tonic, 90/9 | Pond's extract, 112/79 |
| "Clover Cream" (cream of tartar substitute), 121/40 | Porcelain jars (celluloid caps), 96/5, 96/48, 97/58 |
| "Comfortable" bed-pan, 122/51 | Powder-leaves, 97/53, 96/55 |
| Copper-finished hot-water bottles, 113/34 | Printing-ink colours, 80/21 |
| Coty's perfumes, 123/68 | Quartz, ground, 110/54 |
| Dentozone, 120/30 | "Rexall" face-cream, 94/52 |
| Enamelled-iron hospital requisites, 120/41 and 121/800 | Ribbon (for tying perfume bottles and cases), 96/5 |
| "Evelina" feeders, 95/14 | Rice powder (importers), 112/61 |
| Formaldehyde, 106/20 and 114/34 | Romozone, 114/23 |
| Formol (for France), 117/53 | "Rose Foam" toilet-soap, 106/16 |
| Formozone, 122/40 | Rozozone, 86/67 |
| Fowler's veterinary specialties, 115/35 | Saccharin (Swiss), 86/302 |
| Hamburger Tee, 100/700 | Salacetol, 115/49 |
| Hamilton, James & Co.'s laxative fir chocolates, 104/9 | Sanaphos, 89/70 |
| Hexamethylenetetramin, 86/301 | Sandow's artificial salts, 102/59 |
| Highwater Laboratory Co.'s address, 117/16 | Sanol, 120/45 |
| Holmes oil, 111/50 | Santal Midy, 101/56 |
| Hydroquinone (British makers), 99/45 and 113/1 | Santonex, 85/292 |
| Hypodermis needles, 111/66 | Scissors, 90/27, 95/5, 95/5, 97/27, 97/58 |
| Iron jelloids (for Hong Kong), 112/290 | Scott's oat flour, 85/17 |
| Iron-Ox, 120/24 | Toilet lanoline, 84/40 |
| Iron oxide (for colour making), 111/32 | Toluol, 86/38 |
| Italian castor oil, 114/34 | Tonico Orientale, 121/32 |
| "Kyrone" muff or foot warmer, 116/16 | Trev's earthenware feeding-cup, 115/68 |
| Lavona de Composee (for Egypt), 121/69 | Tri-iodo-ethyl-phenol, 101/73 |
| Metal, 99/45 | "Triple Entente" bandage-winder, 103/32 |
| | Tunstall's bandage winders, 95/5 |
| | Urosine, 96/72 |
| | Vacuum flasks (Russian inquiry), 119/700 |

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The Letters from Abroad

are supremely interesting reading just now, and a peculiar pathos attaches to that from Antwerp. The heart of every reader of the *C. & D.* must have throbbed with pity for the dreadful tragedy that has come over that famous city and its now refugee inhabitants. Not even the fate of Brussels can be compared with that of Antwerp for poignant horror, and thousands of British pharmacists will feel sympathy with our fellow-pharmacists, not to speak of the thousands of others similarly situated. Can we as pharmacists do anything to mitigate the sufferings of our comrades and their families?

"Bristolian's" Position

is, I admit, a difficult one, and perhaps my hastily written note made me appear less sympathetic than I really am. I had, however, in mind other letters besides his, some that have appeared in your columns and some elsewhere, the total effect of which must be detrimental to our case. While the great majority of us, including the writers of these letters, remain on the panels, any attempt to show that Insurance work is a losing game will, as I said, have an air of unreality. We shall be thought to protest too much, and our real grievances will lose force precisely in proportion as they are over-stated. In any case no good is done by mere grumbling, whereas if the time spent in that amusement were occupied in concerted action on the lines of the Plymouth Association, and in such pressure on the Society as would force it into a more active Parliamentary policy, something effective might be done. To this end

We Must Remain on the Panels,

as I advise "Bristolian" to do, even if at present he does not think the work worth while, for I am convinced that in this direction lies the way of salvation. Our case has never been adequately presented to Parliament, and it never will be so long as we trust to isolated questions by party politicians whose game it is to worry the Government. We have done all we can by our deputation to Mr. Masterman to obtain relief under existing regulations, and so far so good; but we must do more than that if we would probe the evil to the root, and we must not wait until we have been strangled by the network of committees and sub-committees under which we work. We must make a firm and united demand for a revision of the discounting arrangement. Obviously some check on the extravagance of the doctors is necessary, but it ought not to rest with us to prove individual cases of extravagance. The making of every prescriber responsible for all expense in drugs and appliances beyond 2s. per head of his patients, which I spoke of last week, would probably meet the case. It would greatly simplify procedure at any rate, and it would relieve the strain between doctor and pharmacist.

The Abolition of Discounting,

for which some men are pleading, is more than we can expect or have any right to demand, but it is both more equitable and more sensible to make it fall on the prescriber who necessitates it than on the dispenser who is in no way responsible for it. The amendment of the Act in this sense would remove most of the difficulties which hamper its working, and would inflict no real grievance on anybody. The limit above which discounting takes place might, if necessary, be raised, but whatever the limit the pharmacist ought not to suffer from the carelessness (or worse) of the doctor, who would then have no unworthy motive for over-prescribing left to him, and would have only himself to thank for any loss he might incur. Over-sickness

could still, as at present, be a matter for special arrangements. The absolute essential of justice is that all medicine supplied in proper course and at agreed prices should be paid for, and we can be satisfied with nothing less than this. This, however, the Commissioners cannot, as things stand, assure us; hence the necessity of Parliamentary action, which it is for us to bring about. And it is for concerted action with this object that I contend, in place of the more or less objectless grumbling of which we hear so much.

The "Urgent" Circular

of the London Pharmaceutical Committee, with its demand of an instant "Yes" or "No," is a blunder of the first magnitude. It is being bitterly and justly complained of. There is no need for it; it places single-handed chemists at a very grave disadvantage; and if honestly answered by all who receive it, the result will be to put an effective weapon against us into the hands of the doctors who are hungering for our work. It is a physical impossibility for a man without a qualified assistant to be ready to dispense a prescription at every moment of the day and night, and the demand that either he should undertake to be so or should write himself down an inefficient is simply monstrous. Yet this is what the circular amounts to. Why cannot we be trusted to carry on our Insurance work on the lines of our private business? We manage to satisfy all reasonable requirements there without binding ourselves to absolute slavery: why are we not left to do it in this new sphere of work? But this is the curse of officialdom.

Spirit

is from our point of view the most important word in the new instalment of the Oxford Dictionary. Even in the twelve columns devoted to it the various sense-developments that time has brought about can only be traced in outline, and of course only a few of them have any special interest for us. It is difficult at first to see why a name originally meaning breath and breathing should be given to quicksilver, which was the chief "spirit" of the alchemists, the other three being orpiment, sal ammoniac, and brimstone, but the connecting idea is traceable through such uses as are here noted. *Spirit* meant the active or essential principle or power of things; in the human body were recognised natural, animal, and vital spirits, having their seat respectively in the liver, the brain, and the heart; it was a subtle intangible element in all material things, whose spirits Bacon calls "Pneumaticalls"; it was the Spirit of the World, which had three distinct substances: salt, sulphur, and mercury. For the earliest instance of *spirit of wine* (for which I asked some years since) we must wait till the Dictionary arrives at *wine*; the only hint given at present is in a quotation dated 1688: "Wine coopers termes. . . Spirit, wine double distilled." The earliest quotation for *sweet spirit of nitre* is 1843, but Quincy uses it in 1718. Glauber's spirit of nitre was nitrous acid. The plant-names in this double-section call for but brief mention. *Spike* and *spikenard* derive from Latin *spica*, an ear of corn, and refer to the form of the inflorescence. *Spredwell* is not explained; it is equivalent to "good-bye," and is supposed to refer to the fly-away character of the corolla. *Spermaeceti* means the sperm of the *cetus*, and is due to a mistake as to the origin of the substance. *Spice* is from *species*, of which I have spoken before.

SACCHARIN CORPORATION *v.* ANGLO-CONTINENTAL CHEMICAL-WORKS.—The hearing of this case took place in the Court of Appeal on October 15. It was an appeal against a judgment of Mr. Justice Bailhache on a question of recovering damages amounting to 427*l.* awarded in arbitration. The Court unanimously allowed the appeal.

"SANITAS-SYPOL"

for ANTISEPTIC SURGERY.

PATRIOTIC CHEMISTS

— are asked to push this —
BRITISH MANUFACTURE.

Guaranteed Co-efficient 3 to 4.

Forms a clear solution with water and is the MOST POWERFUL member of the group of Liq. Cresoli Saponatus fluids.

6d. and 1/- Bottles and 6/- per gallon.

Leaflets and Samples on Application.

The "SANITAS" CO., Ltd., Limehouse, London, E.

G. S. MUMFORD & SONS, FARRINGDON RD. LONDON, E.C.

FINEST ARROWROOT	10 lb.	FINEST COMPOUND LIQUORICE POWDER	1/8 & 1/1b.
BICARB. SODA	13/cwt.	No. 1 Finest Pure FULLER'S EARTH	13/cwt.
Finest Extra Special BORACIC ACID POWDER, Finest	42/cwt.	(Light Colour)	
No. 1 Finest Pure CRUSHED LINSEED	25/cwt.	"PYLITNA" POWDERS, 27/ per doz.	
No Oil Extracted		Special Terms for Co-operation.	
No. 2 Pure CRUSHED LINSEED	23/cwt.	(And under P.A.T.A.)	
No Oil Extracted		Genuine Remedy for Piles.	
Best Cleaned LINSEED	23/cwt.	Chemist: "It is the best remedy I have met with in all my 50 years' experience with doctors."	
EPSOM SALTS, E.S.S.	12/6 cwt.	No. 1 Finest Light Pure PRECIP. CHALK	23/cwt.
Purified, Clean, and Dry	13/6 "	Finest Pure STARCH POWDER	23/cwt.
Ditto, Medium Crystals	18/cwt.	Finest Pure TOILET OATMEAL, SPECIAL	32/cwt.
FLOWERS OF SULPHUR, Finest English	17/ "	NITRE, POWDERED	7 lb.
Ditto, Foreign			
Finest Pure LIQUORICE JUICE	1/ lb.		
2 oz. and 4 oz. sticks			

Carriage Paid to railway stations within 200 miles of London (for allowance made for distances beyond). Terms less 2 1/2 per cent. Cash or 1 month net.

REBMAN'S PURE ASEPTIC CALF LYMPH

For reliability and normal reaction.

PRICE 6d. per small tube (six for 2/6).
1/- per large tube (three for 2/6).

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SEED DRESSING SEASON.

Our new Liquid Seed Dressing and well-known Carbolic Wheat Dressing and Ground Vitriol are of guaranteed strength, securely and attractively packed. Sulphate of Copper, Ground Copperas and all dressing materials at lowest prices. We pack in agent's own name and supply advertising matter.

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Grand Prix LEEDS. Turin 1911.

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Tinctures, Ointments, Pills, Tablets, Suppositories. Standardised and Clinically Tested Galenicals, &c.

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AERATED BEVERAGES.

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CHEMICALS FOR TECHNICAL AND ANALYTICAL PURPOSES.

BRITISH ABSOLUTE ALCOHOL.

Jas. Burrough Ltd. D.I. Cale Distillery, Hutton Rd., LAMBETH, S.E.

FLETCHERS' FOR TINCTURES, INFUSIONS, AND SYRUPS.

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Sole Proprietors: FLETCHER, FLETCHER, & CO., Ltd. LONDON AND SYDNEY.

LIQUORS

Editorial Articles.

Further Proclamations.

SINCE our last issue further steps have been taken by the Government with a view of correcting or strengthening previous Proclamations or notices.

THESE deal chiefly with various phases of trading with the enemy. The Proclamations and notices are printed in another part of this issue, so that it will not be necessary to

examine them in detail. First there is the Proclamation of October 9, which amends the "Trading with the Enemy Proclamation No. 2," in regard to insurances effected for the benefit of the enemy. It is made clear that transactions with branch insurance businesses belonging to alien enemies, even when situated in British, allied, or neutral territories, are transactions by or with an enemy. Of late it has become apparent that alien enemies are endeavouring to avoid the trading prohibition by carrying on business through agents in neutral countries. The problem in this case is a difficult one to deal with, because it is obvious that the Governments of neutral countries could not interfere with restrictions favouring or placing at a disadvantage one side or other of the combatants. To meet the case the Board of Trade has issued a notice that certificates of destination or origin will be required for goods exported from or imported into the United Kingdom to specified ports in Norway, Sweden, Denmark, Netherlands, and Italy. It is not desired to hamper unnecessarily the export trade, and for the present the certificates of origin will not be required for individual consignments not exceeding 100l. in value. Exporting and importing to and from Germany or Austria-Hungary are still strictly forbidden. Another

matter has been dealt with by an addition to the Aliens Restriction (Consolidation) Order, which, after October 12, forbids an alien enemy from changing his name. It has become a practice since the declaration

of war for alien enemies, either individually or as a firm, to change names which betray their nationality, and often in the process to adopt names or titles calculated to lead to the belief that these are owned by British subjects. People may thus be deceived into trading with alien enemies. It is interesting to note that the law as to changing the name of British subjects is by no means clear. It is held by some that a man is at liberty to change his name when and as often as he pleases, but, on the other hand, it is contended that the custom of obtaining a Royal licence for changing a name has become part of the common law. This, of

course, has no bearing on the question of alien enemies' names, which cannot now be changed in the United Kingdom without the special permission of a Secretary of State. This may check some of the tricky business that is being resorted to by alien enemies who have been abusing the liberty they enjoy in trading in this country.

Insurance Dispensing Contracts.

It is obvious from reports which reach us from various parts of the country that some chemists are finding it difficult to decide as to their continuance on the panel of chemists undertaking insurance dispensing. The following considerations may assist them to come to a decision: To have any influence upon local Insurance Committees it is useless for one or two chemists out of the total number to send in their resignations, as that would only mean that the "loss" is shifted on to the shoulders of their fellow-chemists. The present is not, in our opinion, an appropriate time to endeavour to influence the National Insurance Commissioners or the Treasury by wholesale resignations. The demands made upon Government Departments for the defence of the realm give no opportunity for a careful and deliberate consideration of the grievances under which chemists suffer. Those districts where the discounting does not exceed 10 or 15 per cent. should also bear in mind that the 1914 Drug Tariff was more advantageous than those which preceded it, and that the loss would not have been apparent if circumstances had not allowed of an upward revision of the Tariff. We are not urging that in these districts no protests should be made, but we think that in times of stress and strain these should be moderated. Much progress towards an understanding with medical men has been made in some districts, but much still remains to be done in this direction. There is now a better tendency in everyone towards reasonable conduct, and we feel sure that if the local doctors could be brought to see the unfairness of causing loss to chemists through want of thought in prescribing, some of the present difficulties would be avoided. The cultivation of a better local spirit should be the object in view. In regard to the new contracts, certain suggestions have been placed before local Associations which obviate the difficulties of increased prices caused by the war. It will probably be arranged that the prices of those drugs which have increased and may still further advance will be left blank, and that the prices will be settled from time to time by a joint Committee of the interests concerned. Another important fact should be borne in mind, and that is that Mr. Masterman and the National Insurance Commissioners are cognisant of the disabilities under which chemists labour, and that in normal times much progress might have been made towards a settlement. Amendment of the National Insurance Act has had to be postponed owing to the dislocation caused by the war, and it is therefore not surprising that amendments of the Regulations of a drastic nature have also been put off till a more favourable opportunity.

Australian Imports.

The Australian Association of British Manufacturers have again issued their tabulated statement showing the imports into the Commonwealth for the year 1913 dealing with those items in which goods of foreign origin compete with those of British make, and showing the value and percentage of imports from the United Kingdom, Germany, and the United States. This state-

ment, which has been compiled by H.M. Trade Commissioner in Australia from data supplied by Mr. G. H. Knibbs, C.M.G., Commonwealth Statistician, is of particular interest at the present time, as showing the lines which have been imported from Germany, of which it is hoped that a large proportion will now be supplied by British manufacturers. The statement shows that the gross imports (less specie, bullion, live animals, and warships) were 75,555,894*l.*, as compared with 76,239,871*l.* in 1912. Deducting non-competitive items such as tea, sugar, rice, timber, etc. (amounting to fifteen millions odd), there is a balance of 60,551,516*l.* representing competitive manufactured merchandise from all countries. Of this amount it has been ascertained by the Commission that the United Kingdom's share was 38,285,340*l.*, or 63.2 per cent., as compared with 62.58 per cent. in 1912. Details are given of these competitive imports, the tabulated statement showing this by groups of products, of which the following is a selection:

	Total all Countries	U.K. Origin	German Origin	U.S.A. Origin
	£	£	£	£
Spirits	1,501,719	1,256,271	159,518	20,073
Chemicals—				
Pharmaceutical ...	775,131	440,900	102,431	131,898
Industrial	608,273	424,551	85,297	40,875
Fertilisers	142,277	33,302	51,546	
Paints, varnishes ...	609,849	494,268	21,882	80,966
Rubber goods	769,001	243,351	259,346	125,539
Surgical instruments, etc.	754,889	333,179	114,318	234,472
Oils, fats, waxes ...	416,830	276,928	6,615	46,960
Beverages, non-alcoholic	356,775	173,733	12,561	2,341

Taking pharmaceutical chemicals as of chief interest in the above table, we find that the percentage obtained from the United Kingdom was 56.9, as compared with 57.51 per cent. in 1912. Of the six States of the Commonwealth, Tasmania is our best customer for pharmaceutical chemicals, with 78.7 per cent., New South Wales being lowest with 53.3 per cent. Queensland received 71.9 per cent., Western Australia 64.4, South Australia 59.9, and Victoria 55.4 per cent. Of the trade in industrial chemicals, the United Kingdom did 69.8 per cent., or 2 per cent. less than the previous year. Tasmania was our largest customer with 87.1 per cent., and South Australia the smallest with 61.4 per cent.

Dispensing for Dependants.

We have published in THE CHEMIST AND DRUGGIST (September 5 and 19) detailed particulars of the scheme for furnishing gratuitous medical aid for dependants of those serving with the Forces. We have now received from the Joint Secretaries, Naval and Military Dependants (Medical Treatment) Committee, Wellington House, Buckingham Gate, London, S.W., the particulars which are being sent out to the Local Representative Committees and Local Branches of the Soldiers' and Sailors' Families Association, to either of which bodies persons requiring medical assistance are directed to apply. Those requiring medical aid have issued to them a "medical book," which contains a number of blank prescription-forms, upon which the medical man writes the prescription for medicine or order for appliances when the case requires it. The patient then takes the book to the chemist, who detaches the prescription and, after making it up, sends it to the Pharmaceutical Society, who do the pricing. Payment is afterwards made direct to the chemist from the Central Fund. The medical books contain full particulars of what is to be done with them, and chemists who have these presented to them will have no difficulty in dealing with the matter.

THE BRITISH PHARMACOPOEIA 1914.

*Notes on the new Pharmacopœia, which will come into force on December 31, 1914.
(Continued from the previous two issues)*

Medical Views.

"The Lancet," after referring to the publication as "an event of real importance both to medical practitioners and to pharmacists," states that the employment of the metric weights and measures only "will naturally compel all pharmacists to adopt the metric system, and will at first perhaps cause some complaints, but the final result will naturally tend to international uniformity." In regard to the adoption of the system for doses by medical practitioners it is stated "there will certainly be considerable difficulty to many practitioners caused by the adoption of the new style, and it will be necessary for many at first to be exceedingly careful over dosage." Of the appendix dealing with contractions in prescriptions it is stated "whether these abbreviations will meet with general adoption is certainly open to doubt, but if they gradually come into use a source of confusion will be avoided." In another part of the issue some of these contractions are referred to as "not elegant."

The "British Medical Journal" devotes a page to the first instalment of a review of the British Pharmacopœia 1914. One point of criticism refers to the recommendation in the preface that prescribers should cease to employ the symbols " $\frac{3}{4}$ " and " $\frac{5}{8}$ " in prescriptions. In the B.P. 1898 it was "still optional with the physician in prescribing" to use these symbols as well as the scruple sign. The "B.M.J." remarks:

It is no great inconvenience to discard the symbol " $\frac{3}{4}$ " and to express the quantities of solids in a prescription in grains and small quantities of liquids in minims; but for larger quantities of liquids, including the total volume to which a liquid medicine is to be made up, it is hardly likely that the symbol " $\frac{3}{4}$ " will be readily given up until such time as the use of the metric system in writing prescriptions may become general.

In regard to the dictum that it is the duty of the pharmacist to satisfy himself as to the intention of the prescriber to order unusually large doses, the "B.M.J." points out that some indication by the prescriber, such as a mark of exclamation, would have been of considerable assistance to the dispenser.

Pharmacy of the Pharmacopœia.

The first part of this synopsis was published in the *C. & D.*, October 10, p. 50.

Glycerina—Glycerines.

GLYCERINUM ACIDI BORICI (u.a.).

Boric acid, in place of boric acid in fine powder, is specified. The use of the crystals is a great improvement.

GLYCERINUM ACIDI CARBOLICI (u.a.).

Triturate in a warmed mortar.

GLYCERINUM ACIDI TANNICI (u.a.).

Solution is to be effected by triturating in a warmed mortar.

GLYCERINUM ALUMINIS (u.a.).

GLYCERINUM AMYLI (u.a.).

GLYCERINUM BORACIS (u.a.).

Also to be triturated in a warmed mortar.

GLYCERINUM PEPSINI.

Pepsin	...	...	1 oz.
Hydrochloric Acid	...	...	55 minims
Glycerin	...	...	6 fl. oz.
Distilled Water to	...	...	10 fl. oz.

Each fluid drachm contains about $5\frac{1}{2}$ grains pepsin, or 10 per cent. stronger than 1893 glycerin.

GLYCERINUM PLUMBI SUBACETATIS.

Strong Solution of Lead

Subacetate	...	...	5 fl. oz.
Glycerin	...	...	5 fl. oz.
Distilled Water	...	...	a sufficient quantity

Evaporate solution of lead subacetate to dryness, dissolve in glycerin, and add water till s.g. is 1.43. A serviceable alteration, especially when small quantities are being prepared.

GLYCERINUM TRAGACANTHÆ (u.a.).

HYDRARGYRUM CUM CRETA (u.a.).

HYDRARGYRUM OLEATUM.

Yellow Mercuric Oxide	...	2 oz.
Liquid Paraffin	...	$\frac{1}{2}$ oz. (by weight)
Oleic Acid	...	$7\frac{1}{2}$ oz. (by weight)

Infusa—Infusions.

INFUSUM ALSTONIE.

1 in 20, as in I.C.A.

INFUSUM AURANTII (u.a.).

INFUSUM AURANTII COMPOSITUM.

Dried Bitter-orange Peel	...	175 grains
Lemon-peel	...	70 grains
Cloves, bruised	...	35 grains
Distilled Water, boiling	...	16 fl. oz.

INFUSUM BUCHU (u.a.).

INFUSUM CALUMBÆ (u.a.).

INFUSUM CARYOPHYLLI (u.a.).

INFUSUM CASCARILLÆ (u.a.).

INFUSUM CHIRATÆ (u.a.).

INFUSUM CINCHONÆ ACID. (u.a.).

INFUSUM DIGITALIS.

U.a., except that the digitalis-leaves are increased from 60 to 62 grains.

INFUSUM ERGOTÆ (u.a.).

INFUSUM GENTIANÆ COMPOSITUM (u.a.).

INFUSUM KRAMERIÆ (u.a.).

INFUSUM QUASSIÆ (u.a.).

INFUSUM RHEI (u.a.).

INFUSUM ROSÆ ACIDUM (u.a.).

INFUSUM SCOPARIÆ (u.a.).

INFUSUM SENEGÆ (u.a.).

INFUSUM SENNÆ.

U.a., except that the ginger is reduced from 55 to 44 grains.

INFUSUM UVÆ URSI (u.a.).

Injectiones Hypodermicæ—Hypodermic Injections.

INJECTIO APOMORPHINÆ HYPODERMICA (u.a.).

INJECTIO COCAINÆ HYPODERMICA.

Cocaine hydrochloride reduced to 5 per cent., otherwise u.a.

INJECTIO ERGOTÆ HYPODERMICA (u.a.).

INJECTIO MORPHINÆ HYPODERMICA.

Half the strength of the 1898 injection.

INJECTIO STRYCHNINÆ HYPODERMICA.

Strychnine Hydrochloride	...	3 grains
Distilled Water to	...	440 minims

Contains $\frac{3}{4}$ per cent. of strychnine.

Lamellæ—Ophthalmic Discs.

LAMELLÆ ATROPINÆ (u.a.).

LAMELLÆ COCAINÆ.

Contain $\frac{1}{30}$ grain and $\frac{1}{30}$ grain in place of $\frac{1}{30}$ grain and $\frac{1}{30}$ grain.

LAMELLÆ HOMATROPINÆ.

Contain $\frac{3}{32}$ grain and $\frac{1}{100}$ grain in place of $\frac{1}{30}$ grain and $\frac{1}{100}$ grain.

LAMELLÆ PHYSOSTIGMINÆ (u.a.).

Linimenta—Liniments.

In India and the East, Africa, Australasia, and Canada arachis oil or sesame oil, but no other oil or fat, may be employed in making the official liniments, etc., for which olive oil is directed to be used. This provision might well have been extended to the British Isles in the case of Lin. Ammon.

LINIMENTUM ACONITI.

Percolate the root with 90-per-cent. alcohol, so that the liniment will contain 0.2 per cent (w/v) alkaloids with the addition of 3 per cent. (w/v) camphor.

LINIMENTUM AMMONIE (u.s.).

LINIMENTUM BELLADONNÆ (u.s.).

LINIMENTUM CALCIS (u.s.).

LINIMENTUM CAMPHORÆ.

Camphor	...	...	2 oz.
Olive Oil	...	...	8 oz. (by weight)

LINIMENTUM CAMPHORÆ AMMONIATUM.

U.s., except that the oil of lavender is reduced from 1 fluid drachm to 48 minims.

LINIMENTUM CHLOROFORMI (u.s.).

LINIMENTUM CROTONIS.

Croton Oil	...	...	1½ fl. oz.
Oil of Cajuput	...	...	5½ fl. oz.
Alcohol (90-per-cent.)	...	...	5½ fl. oz.

Contains 12 instead of 12½ per cent. croton oil.

LINIMENTUM HYDRARGYRI.

Ointment of Mercury	...	...	2½ oz.
Solution of Ammonia	...	...	2 fl. oz.
Liniment of Camphor	...	...	4 fl. oz.

Contains approximately 40 per cent. less mercury than the 1893 liniment.

LINIMENTUM OPII (u.s.).

LINIMENTUM POTASSII IODIDI CUM SAPONE.

U.s., except that the oil of lemon is reduced from 1 fluid drachm to 48 minims.

LINIMENTUM SAPONIS.

Soft Soap	...	...	1 oz. 122 grains
Camphor	...	...	280 grains
Oil of Rosemary	...	...	111 minims
Distilled Water	...	...	2 oz. 344 minims
Alcohol (90-per-cent.) to	...	...	16 fl. oz.

LINIMENTUM SINAPIS.

Volatile Oil of Mustard	...	...	267 minims
Camphor	...	...	385 grains
Castor Oil	...	...	2 fl. oz.
Alcohol (90-per-cent.) to	...	...	16 fl. oz.

LINIMENTUM TEREBINTHINÆ (u.s.).

LINIMENTUM TEREBINTHINÆ ACETICUM.

Glacial Acetic Acid	...	...	1 fl. oz. 369 minims
Liniment of Camphor	...	...	7 fl. oz. 98 minims
Rectified Oil of Turpentine to	...	...	16 fl. oz.

Liquores—Solutions.

"Distilled water, recently boiled and cooled," is directed to be used in the preparation of solutions of adrenalin, atropia, and lead subacetate, diluted, and also for the hypodermic injections.

LIQUOR ACIDI CHROMICI (u.s.).

LIQUOR ADRENALINI HYDROCHLORICI.

Adrenalin	...	...	1 grain
Chloroform	...	...	5½ minims
Sodium Chloride	...	...	9 grains
Diluted Hydrochloric Acid	...	...	3.3 minims
Distilled Water to	...	...	2 fl. oz. 138 minims

LIQUOR AMMONIÆ (u.s.).

LIQUOR AMMONIÆ ACETATIS (u.s.).

In the preparation of this solution a definite quantity of acetic acid is neutralised by a sufficient quantity of ammonium carbonate, which reverses the 1893 process, thus:

Acetic Acid	...	...	2 fl. oz. 287 minims
Ammonium Carbonate	...	...	350 grains or a sufficient quantity
Distilled Water to	...	...	16 fl. oz.

S.g. 1.016.

LIQUOR AMMONII CITRATIS (u.s.).

S.g. 1.057.

LIQUOR ARSENICALIS.

U.s., except that the compound tincture of lavender is reduced from 5 fluid drachms to 283 minims.

LIQUOR ARSENICI HYDROCHLORICI.

U.s., save that the hydrochloric acid is reduced from 2 fluid drachms to 115 minims.

LIQUOR ARSENII ET HYDRARGYRI IODIDI (u.s.).

LIQUOR ATROPINÆ SULPHATIS.

U.s., but salicylic acid is omitted.

LIQUOR BISMUTHI ET AMMONII CITRATIS.

Bismuth Oxynitrato	...	...	490 grains
Citric Acid	...	...	364 grains

Solution of Ammonia,

Distilled Water of each a sufficient quantity

Mix the oxynitrato and acid in a mortar with 140 minims of water, and allow to stand till a small portion is completely soluble in solution of ammonia. Transfer to a beaker and wash precipitate with three successive quantities, each of 10 ounces, of distilled water. Add to the moist washed precipitate just sufficient solution of ammonia to dissolve it, and add sufficient distilled water to produce 16 fl. oz.

LIQUOR CALCIS (u.s.).

LIQUOR CALCIS CHLORINATÆ (u.s.).

LIQUOR CALCIS SACCHARATUS (u.s.).

LIQUOR CRESOL SAPONATUS.

Cresol	...	...	8 oz. by weight
Castor Oil	...	...	5 oz. 262 grains by weight
Potassium Hydroxide	...	...	1 oz. 122 grains
Distilled Water to	...	...	16 fl. oz.

It will be noted that castor oil is sometimes weighed and sometimes measured. Why, is not quite clear. The variation in the s.g. of cresol makes it desirable to prescribe it by weight, as in this formula.

LIQUOR EPISPASTICUS.

Cantharidin	...	...	28 grains
Castor Oil	...	...	194 minims
Resin	...	...	84 grains
Acetone to	...	...	16 fl. oz.

LIQUOR FERRI PERCHLORIDI (u.s.).

LIQUOR FERRI PERCHLORIDI FORTIS.

U.s., except that the iron is reduced from 4 oz. to 3½. The finished liquor contains 20 per cent. of iron in place of 22½. In accordance with the suggestion of Messrs. Tyrer and Levy, in a paper contributed to the British Pharmaceutical Conference in 1900, the strength of this preparation has been reduced. It was proved that when working on a large scale the requirements of the 1893 B.P. could not be obtained.

LIQUOR FERRI PERSULPHATIS (u.s.).

LIQUOR FORMALDEHYDI SAPONATUS.

Soft Soap	...	...	6 oz. 175 grains
Alcohol (90-per-cent.)	...	...	4 fl. oz. 389 minims
Solution of Formaldehyde	...	...	3 fl. oz. 97 minims
Distilled Water to	...	...	16 fl. oz.

LIQUOR HAMAMELIDIS.

Spirit strength of finished product reduced from 18 per cent. to 14.4 per cent. alcohol.

LIQUOR HYDRARGYRI NITRATIS ACIDUS (u.s.).

LIQUOR HYDRARGYRI PERCHLORIDI.

Mercuric Chloride	...	...	7 grains
Distilled Water to	...	...	16 fl. oz.

The solution contains one-eighth less perchloride than that of 1893.

LIQUOR HYDROGENII PEROXIDI (u.s.).

LIQUOR MAGNESII BICARBONATIS (u.s.).

Corresponds to Liq. Magnes. Carb. 1893.

LIQ. MORPHINÆ ACETATIS (u.s.).

LIQUOR MORPHINÆ HYDROCHLORIDI (u.s.).

LIQUOR MORPHINÆ TARTRATIS (u.s.).

LIQUOR PANCREATIS.

Prepared by digesting fresh pig pancreas in alcohol, glycerin, and water, instead of 25-per-cent. alcohol only. According to the test, the solution is two-thirds the nominal strength of 1893 solution. The 1893 test is known to be too stringent.

LIQUOR PICIS CARBONIS (u.s.).

LIQUOR PLUMBI SUBACETATIS DILUTUS.

U.s., except that the alcohol is now omitted.

LIQUOR PLUMBI SUBACETATIS FORTIS (u.s.).

LIQUOR POTASSÆ.

Contains 5 per cent. w/v KHO in place of 6.2 per cent.

LIQUOR POTASSII PERMANGANATIS (u.s.).

LIQUOR SODÆ CHLORINATÆ (u.s.).

LIQUOR SODII ARSENATIS (u.s.).

LIQUOR STRYCHNINÆ HYDROCHLORIDI (u.s.).

LIQUOR TRINITRINI (u.a.).
 LIQUOR ZINCI CHLORIDI (u.a.).
 LITHII CITRAS EFFERVESCENS (u.a.).
 LOTIO HYDRARGYRI FLAVA (u.a.).
 LOTIO HYDRARGYRI NIGRA.
 U.a., except that the mucilage of tragacanth is omitted.
 MAGNESII SULPHAS EFFERVESCENS (u.a.).

MEL BORACIS.
 U.a., except that the honey is increased from 8 to 8½ oz.

Misturæ—Mixtures.

MISTURA AMMONIACI.

Ammoniacum	210 grains
Syrup of Tolu	466 minims
Distilled Water to ...	16 fl. oz.

MISTURA AMYGDALÆ (u.a.).

MISTURA CRETÆ.

Prepared Chalk	210 grains
Tragacanth	35 grains
Refined Sugar	420 grains
Cinnamon-water to ...	16 fl. oz.

MISTURA FERRI COMPOSITA.

Ferrous Sulphate	42 grains
Potassium Carbonate ...	56 grains
Myrrh	105 grains
Powdered Gum Acacia ...	105 grains
Glucose	105 grains
Spirit of Nutmeg	78 minims
Rose-water to	16 fl. oz.

MISTURA GUAIACI.

The tragacanth is increased from 35 to 44 grains.

MISTURA OLEI RICINI.

Castor Oil	3 fl. oz.
Powdered Gum Acacia ...	350 grains
Orange-flower Water, un-	
diluted	1 fl. oz. 94 minims
Cinnamon-water to ...	8 fl. oz.

MISTURA SENNÆ COMPOSITA (u.a.).

Mucilagines—Mucilages.

MUCILAGO ACACIÆ (u.a.).

MUCILAGO GUMMI INDICI.

Indian Gum	5 oz.
Distilled Water	15 fl. oz.

MUCILAGO TRAGACANTHÆ.

The tragacanth is reduced from 60 to 54½ grains.

OLEUM PHOSPHORATUM.

U.a., with the addition of 1 per cent. oil of lemon.

OXYMEL.

Acetic Acid	1 fl. oz.
Distilled Water	1 fl. oz.
Purified Honey	5 fl. oz.

OXYMEL SCILLÆ.

Vinegar of Squill	2 fl. oz.
Purified Honey	5 fl. oz.

S.g. reduced from 1.32 to 1.29.

OXYMEL URGINÆ.

Vinegar of Urginea	2 fl. oz.
Purified Honey	5 fl. oz.

C. & D. Diary, 1915.

THE Diary, which the C. & D. has presented to its subscribers free every year for nearly half a century, will again be issued to all subscribers towards the end of this year. Both Editor and Publisher are now engaged in its preparation, and the Editor invites subscribers to communicate to him for publication in the Diary formulas for medicinal preparations which they desire to sell as known, admitted, and approved remedies. The Publisher will be glad to receive as soon as possible instructions from advertisers as to their requirements. He reminds all that the best way to serve the country during the present crisis is by assisting traders as much as possible. The opportunity British manufacturers of chemicals and chemists' supplies now have of securing fresh markets is unique. Such an opportunity is never likely to occur again. The publicity which *The Chemist and Druggist Diary* will give during the whole of 1915 to goods which interest responsible buyers in all parts of the world will be one of the strongest factors in bringing business.

Minor Examination.

WE have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of persons who were granted Minor certificates at the recent examination held in Edinburgh:

Anderson, A. J., Newcastle-on-Tyne.	McCutcheon, Christina C., Glasgow.
Anderson, T. H. R., Ashington.	McIvor, Annie May, Eyemouth.
Barron, W., Inch, Aberdeenshire.	MacKay, John, junr., Dundee.
Boag, Margaret Grant, Greenock.	Martin, F. R. D., Broxburn.
Cheyne, John Henry, Aberdeen.	Mather, James J., Dundee.
Christie, G. B., Johannesburg.	Melvin, A. N., Fraserburgh.
Dickson, William, Hamilton.	Milligan, Frederick, Glasgow.
Foubister, W., Shapansay, Orkney.	Pool, Alexander Smith, Annan.
Gibson, Wm. Blackwood, Kilbarchan.	Sandilands, Alexandrina, Musselburgh.
Hejburn, John P., Wishaw.	Skipsey, Arthur C., S. Shields.
Lowe, John Sanderson, Kinross.	Stazicker, Thomas, Liverpool.
	Torrance, John Y., Moffat.
	Wilson, John Robb, Edinburgh.
	Winter, Arnold Hubert, Hull.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "*The Chemist and Druggist Diary*," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "*Trade-marks Journal*," September 30, 1914.)

"DYPHENIN": for wood-preservedatives (1). By E. R. Buggé, Eclipse Works, Westcombe Hill, Blackheath, S.E. 362,521.

"DEODOROL": for an essential-oil compound (2). By L. H. M. Thomas, Albion House, New Oxford Street, W.C. 361,589.

"OVOLIS": for chemicals (2). By Osmond & Son, Ltd., Doughty Road, Grimsby. 362,733.

"SUPERBOLIC": for disinfectants (2). By J. E. C. Lord, Ship Canal Tar-works, Borough Road, Weaste, Manchester. 362,849.

"TOXOL" for medicinal chemicals (3); "REGELACTINE" for medicinal chemicals (3), and for food-substances (42); "REGESPTIC" for chemicals (2), and for medicinal chemicals (3). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. 363,280/282/283/284/285.

"THE ALLIES": for all goods (2). By the United Alkali Co., Ltd., 30 James Street, Liverpool. 363,331.

"DEOCH-AN-DORIS": for a medicine (3). By F. E. Copley, Dunbar Cottage, Manse Road, Corstorphine, Midlothian. 362,269.

"ALKIA SALTRATES," etc., on oblong label; for a medicine (3). By Tokalon, Ltd., 212-214 Great Portland Street, W. 762,654.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, October 20.

Southport Pharmacists' and Assistants' Association, Glyde Cafe, Searisbrook Avenue, at 9 P.M. Annual meeting and election of officers.

Wednesday, October 21.

Ealing Pharmacists' Association, Chamber of Commerce, 6 High Street, at 9 P.M. Annual meeting and address by Messrs. H. E. Clement and Hugo Wolf on "Current Topics."

Thursday, October 22.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Informal meeting.

London Co. Pharmaceutical Association, Holborn Restaurant, W., at 3 P.M. Annual meeting.

PUBLIC PHARMACISTS' AND DISPENSERS' ASSOCIATION.—The inaugural meeting will be held on October 28 at St. Bride Institute, Ludgate Circus, London, E.C., when Dr. T. Ashcroft Ellwood will lecture on "The Influence of the War on Medicine and Pharmacy."

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Brighton.—A meeting of the Brighton and Hove Association of Pharmacy was held at the Camera Club, Castle Square, on October 7, Mr. C. G. Yates in the chair. Consideration was given to the effect of war conditions upon retail prices, and it was decided to draw up a minimum price-list of the chief articles affected to assist the members. Mr. C. S. Ashton (Secretary) called attention to the proposal of the South-West London Pharmacists' Association that collective action should now be taken with the large corporate bodies in order to compel the manufacturers of proprietary articles to protect the prices of their goods at a fair profit to the retailer. The suggestion met with general approval, and members were exhorted to bring individual pressure to bear upon manufacturers whenever approached by them with regard to the distribution of their articles. It was announced that about fifty pharmacists in Brighton and Hove, comprising about sixty pharmacies, had agreed to assist in the scheme for providing free medicine for the dependants of men on active service. The Secretary stated that he had received a letter from Mr. Woolcock referring to the necessity of now submitting to the Insurance Committee the proposed Tariff for 1915. Owing to the dislocation caused by the war, the scheme adopted at the Conference of Local Associations for the preparation of a National Tariff could not now be proceeded with. The scheme was approved of. The Secretary reported that, in view of the increasing deficit of the current year, a scrutiny of the prescriptions is now being made, and that he had ascertained that up to now no deficits had been made good in any of the over-spent areas. Resolutions were passed regarding the deficit and the method of indicating "Repeats."

Cornwall.—The second annual meeting of the Cornish Pharmacists' Association was held at Truro on October 6. Mr. H. H. Cannon (President) in the chair. The financial report, presented by the Secretary, showed a slight debit balance, but it was pointed out that when several outstanding subscriptions had been paid there would be a balance on the credit side. Officers for the ensuing year were elected as follows: *President*, Mr. Stephens, Camborne; *Vice-President*, Mr. Worthey, Bodmin; *Secretary and Treasurer*, Mr. Hall, Truro. Mr. Cannon gave an account of the proceedings of the Pharmaceutical Committee held earlier in the day, several members taking part in the discussion which followed. Mr. Jenkin (Camborne) was elected a member of the Association. The meeting closed with a vote of thanks to the officers for services rendered during the past year.

Dublin.—At the annual meeting of the Dublin Retail Drug Association, held on October 12, the following were elected officers for the ensuing year: *President*, Mr. J. C. McWalter, M.A., M.D., LL.D., B.L.; *Vice-President*, Dr. A. J. Barnes; *Treasurer*, Mr. J. R. Middleton, J.P.; *Auditor*, Mr. W. H. Ashmore; *Hon. Secretary*, Mr. V. E. Hanna, 70 Lower Mount Street, Dublin.

Ipswich.—A meeting of the Ipswich Chemists' Association was held at the Great White Horse Hotel on October 8. The President (Mr. J. C. Wiggan) was in the chair. The Secretary presented the balance-sheet, which disclosed a sound financial position. Mr. J. C. Wiggan was unanimously re-elected President for the ensuing year, and Mr. E. F. Miller Secretary and Treasurer.

London (E.).—A meeting of the East London Pharmacists' Association was held on October 8 at the Limehouse Town Hall, the President (Mr. G. Hatfield) in the chair. There was a good attendance of members. National Health Insurance matters were discussed chiefly. The proposed 1915 Tariff was unanimously accepted. Afterwards the question of drawing up a local price-list of drugs and unprotected proprietaries was discussed, and a committee appointed to report at the next meeting.

London (S.E.).—A divisional meeting of the South-East London Pharmacists' Association was held at Mr. Winsor's Pharmacy, Greenwich, on October 13. Most of the Greenwich pharmacists were present. It was resolved that on and after November 2 members present would cease to retail Beecham's pills in other than original packages. Hours of business were discussed, and all agreed to close not later than 9.30 P.M. on week-days, Saturdays 11 P.M. Sunday attendance 6.30 to 9 P.M. A short discussion then took place on discounting of Insurance accounts, advanced prices, and dispensing for dependants of soldiers and sailors.

London (S.W.).—A meeting of the South-West London Pharmacists' Association was held at Stanley's Restaurant, Clapham Junction, on September 30, the President (Mr. John Keall) in the chair. The President, having explained the position of the Drug Fund at that time and the steps that were being taken to meet the situation, announced that social functions would be held only in a modified form, and any profits would be handed over to the British Red Cross Society. The scheme of dispensing service for dependants of men serving with the Colours was discussed and accepted. A discussion on British *v.* German goods is to take place at the next meeting.

London (W.).—The opening meeting of the session of the Western Pharmacists' Association took place at the Restaurant Frascati, Oxford Street, London, W., on October 8. It consisted of a reception, lantern-lecture, and concert. The President (Mr. A. R. Melhuish) and Mrs. Melhuish received the members and the ladies from 7.30 to 8.30, and then all took their places at small tables while refreshments were served. Next Mr. Hubert Ord gave an hour's lecture on the war, illustrating it with a large number of lantern-slides showing chiefly the beautiful towns of Belgium which now have been devastated by the Germans. Then followed a concert. There were about a hundred people present, and the opinion was expressed that the change of the meeting-day to Thursday, which had been made experimentally, is likely as a result to be made permanent.

Norwich.—The quarterly meeting of the Norwich Pharmaceutical Association was held on October 7 at the Castle Hotel. Mr. Percy Robinson (President) was in the chair. The Treasurer's report was presented by Mr. J. de Carlo Smith, after which the President delivered an address reviewing the past year's work. The election of officers for the ensuing year then took place as follows: *President*, Mr. G. S. Maynard; *Vice-President*, Mr. J. F. Collin; *Treasurer*, Mr. J. de Carlo Smith; *Hon. Secretary*, Mr. W. J. Lacey; *Committee*, Messrs. A. E. Beeston, H. Bridges, T. B. Brittan, R. M. Ling, Percy Robinson, H. E. Taylor, and J. M. Weller. Votes of thanks were given to the retiring officials. Other matters discussed were the scheme for dispensing for soldiers' and sailors' dependants and the new Insurance Drug Tariff. Mr. Maynard had also something to say about wholesale houses with varying prices.

Nottingham.—The opening meeting of the Winter Session of the Nottingham Pharmaceutical Association was held at the Flying Horse Hotel on October 14. There was a very good attendance. The Vice-President (Mr. A. Middleton) presided. Mr. A. Henricks (Parke, Davis & Co.) was elected a member. Mr. A. Middleton, in reviewing pharmaceutical affairs, referred to the new Pharmacopoeia and the new Drug Tariff. The Pharmaceutical Committee suggest that the price for distilled water be $\frac{1}{2}$ d. for 1 pint or under.

Oldham.—The Oldham Pharmaceutical Association opened the Winter Session on October 13 with a supper and musical evening. Whist was also played.

P.A.T.A.—At a meeting of the Council of the Proprietary Articles Trade Association on October 8 it was decided that a donation of 100% be sent to the Pharmaceutical Society of Great Britain, whose officers are organising the arrangements in connection with the dispensing for dependants of soldiers and sailors. It was explained that heavy expenses have been and will be incurred in making the necessary arrangements.

Stockton.—The annual meeting of the Stockton-on-Tees Pharmacists' Association was held in Tate's Café on October 6. Mr. J. W. Salmon occupied the chair. The first business was the election of officers, which resulted as follows: *President*, Mr. G. Ellison; *Vice-President*, Mr. E. R. Maddison; *Secretary*, Mr. E. Gregory; *Treasurer*, Mr. W. M. Jewitt; *Auditor*, Mr. W. Finlayson. These form the Executive Committee with the addition of Mr. S. S. Umpleby. The Secretary (Mr. E. Gregory) gave his report for the past session, which, he said, had been mainly taken up with Insurance matters. The Treasurer's report was also satisfactory. Mr. Ellison then took the chair, and the meeting discussed the proposed new Tariff for 1915. It was decided to accept the suggested Tariff sent from headquarters, and leave the matter with them as to fixing the prices of certain drugs which had considerably increased in price owing to the war. It is expected that all the pharmacists on the panel in Stockton will continue to serve in 1915, and it was stated that practically all the pharmacists in the town had accepted the suggestion of the Pharmaceutical Society *re* dispensing for the dependants of those on active service.

British Association Meeting in Australia.

By G. Claridge Druce, M.A., Ph.C.

THE excellent ship *Euripides*, of the Aberdeen Company, was caught up at Plymouth on July 2, and it conveyed over forty members of the Association, including Sir Everard Im Thurn; Sir Charles Lucas; Sir E. Rutherford, the worker at radium; Professor Seward, of Cambridge, once examiner in botany at Bloomsbury Square; the well-known physiologist, Dr. Halliburton, of London University; and the meteorologist, Mr. Gold, who predicted the weather with great accuracy during the long voyage. The journey to the Cape was quite delightful: even crossing the line the temperature was only 84°. Teneriffe was touched, but its peak remained obstinately hidden in the clouds.

Cape Town was reached early on the morning of July 20, and the local scientists had brought a large number of automobiles to drive the members round Table Mountain, about sixty miles. Cape Town boasts some good buildings, including a fine post-office and a very interesting museum, which is celebrated for its "cave drawings," which show very realistically the chase of animals. The models, life-size, of the aboriginal races are also extremely interesting. The pharmacies were commodious and well stocked. The drive by the coast was delightful, with the great cliff of Table Mountain and the Twelve Apostles overshadowing us; the vegetation was varied and quaint. The genus *Oxalis* was well represented, but here and there great bushes of *Protea* with their enormous inflorescences were to be seen, and numerous composites and species of *Mesembryanthemum* gave colour to the scene. In damp places the arum lily, *Richardia*, was very abundant; indeed, it is a garden pest at the Cape.

The extensive vineyards at Constanza were visited, and it was interesting to see growing among the vines the South European *Silene gallica*, species of *Erodium*, *Medicago*, *Sonchus oleraceus*, *Bryonia cretica*, and other agrestal aliens. The house attached to the vineyard was a good example of old Dutch architecture. The slopes of Table Mountain showed the endemic silver-leaf, which is now strictly preserved. Indeed, the authorities have very wisely made a large natural reservation in which the indigenous flora and fauna are carefully guarded. Several beautiful heaths were in blossom, and elephant's ears and other weird plants were observed. Not the least interesting object seen on this very delightful day was Cecil Rhodes' house. The furniture and books are those collected by Rhodes, and it was interesting to see the Union Jack which Jameson carried through the Matabele war riddled with bullets, and also the flag designed for Rhodes which was to be put on the first engine from the Cape to Cairo. The writer had the pleasure of a long conversation with Rhodes at Oxford on the day he and Kitchener had the honorary degree of D.C.L. given them. The view from the south of the house was up the slopes of Table Mountain and over a beautiful garden. The impressive memorial to Rhodes was next visited, a flight of huge granite steps mounting up to the fine bas-relief of Rhodes, who is gazing northwards over the Continent he loved so well. Huge carved stone lions are on the side walls, and glorious is the prospect they dominate. In some way it recalls the view of the Illyrian plain from the Acropolis, but this African scene is on a larger scale than that of Greece. One looks across the Isthmus, on the right the Indian, on the left the Atlantic Ocean, while northwards, seventy miles away over the flat plain, rise the Eland Mountains, their serrated peaks clear against the sky. This day was a magnificent break in the long voyage, and nothing could have exceeded the splendour of the early morning entrance to the harbour, when the sky was a mass of crimson clouds, which we then little expected were to be the heralds of red war.

From the Cape to Albany is a long stretch of lovely water, neither land nor ship breaking the scene. It was diversified by games and boxing exhibitions, the latter given by the third-class emigrants, a splendid lot

of well-behaved people, and going out doubtless to be successful in the Antipodes. Sir E. Rutherford gave a very clear exposition of radium and its emanations; Dr. Halliburton lectured on "Giants"; and Sir Everard Im Thurn, who first climbed Roraima in British Guiana, and was afterwards Colonial Secretary of Ceylon and Governor of the Fiji Islands, gave an account of the early discoveries in the Pacific. On this the writer paraphrased Tennyson and wrote:

Ulysses, many-travelled man,
Who climbed steep-cliffed Roraima
And ruled o'er surf-bound fair Fiji,
From Kandy to Neeralla,
Fantasio rock-hewn Shigali,
In spicy isle of Cinghali.

The "rolling forties" kept true to their tradition and we had a four-days' gale, but so steady was our ship that the fiddles were put on the tables only two days, and then were rather precautionary than necessary. The seas were very grand, and the albatross, stormy petrel, and terns had a hard time. We had received wireless messages occasionally on our way, one announcing the death of Joseph Chamberlain, another the tragic death of Sir Denis Anson, whom I had met at his uncle's funeral only a short time before I sailed; then on Bank Holiday, August 3, after a magnificent day, while a brilliant ball was going on in the spacious saloon, came the staggering news of the declaration of war between Germany and Russia. We had on board Professor Graebner (brother of my friend the great botanist of Berlin) and Professor Nitski, a distinguished Russian *savant*, who were great friends. Under the cloud of great anxiety and with the wildest rumours around us, we reached Albany on August 4, on a beautiful day, like the best of an English June, the countryside bright with flowers and a rich and inviting prospect around. Here enthusiasm was rampant; the Union Jack was everywhere, and we were greeted with the heartiest kindness. I passed a smart, clean pharmacy, whose owner was at the door, and who at once recognised me as his examiner at Bloomsbury. He was Mr. Appleyard, and was evidently doing good business. On the wall of his pharmacy were some weird spiders, snakes, and insects, for he is a Fellow of the Linnean and much interested in local natural history. Although Albany is a small place, the houses are well built and there are signs of general prosperity. The flowering shrubs included specimens of *Daviesia*, *Kennedya*, *Banksia*, and *Dillenia*, but the special plant of interest was the fragrant *Boronia*, with its brownish-coloured flowers. The British *Plantago major* was growing to an enormous size, and *Chenopodium murale*, *Urtica urens*, *Sonchus*, and other European species grew along with the African *Richardia*, *Mesembryanthemum*, and *Pelargonium*. Three days were spent in going from Albany, in Western Australia, to Adelaide, in South Australia, across the stormy "Bight." We were fortunate in having an almost waveless sea; but we had to sail with all lights shaded and with all the distress and trouble of war in our minds, and night by night the sun went down in blood-red splendour among flaming clouds. The preparations for our arrival at Adelaide had been made with great care and generosity. Our luggage was numbered and conveyed to our respective destinations, while we had the nine miles' train journey from the port to the city, where motor-cars, with gentlemen who acted as guides, took us to our places of residence. Adelaide has been well called the garden city. The central business portion, with fine buildings and wide streets and an excellent train service, is surrounded by a zone of park-land, and round this is the residential neighbourhood. At Adelaide I was the guest of a gentleman who lived about four miles from the centre of the town. His villa was of one storey, and the garden contained trees of almond, apricot, cherry, pomegranate, orange, and loquat. The last is a Japanese tree (*Eriobotrya japonica*), which is extensively cultivated about Adelaide, as are oranges and almonds, the white blossoms of the latter being a very conspicuous object in the scene. This is the sweet almond, and in order to ensure a good crop a few trees or grafts of the bitter almond have to be planted with it to fertilise

it. The seeds are only used for dessert purposes, and I could hear of no oil being expressed from them for commercial use. Many of the garden weeds were of European origin, but the special pest is the Cape weed, a composite from South Africa, although the native onion grass runs it pretty close as a noxious weed. The roads were very dusty from the prolonged drought, which threatens to prove disastrous to the Colony this year, as only a negligible quantity of rain has fallen during the winter. Bordering Adelaide is a long range of hills, which rise to over 2,000 feet on Mount Lofty. On them the woods consist chiefly of *Eucalyptus*. We had a most pleasant motor ride to the hills, which in their wilder portion show red and white *Epacris*, the bright-coloured *Tetratheca* (rarely with white blossom), white *Pimelea*, and in bare, heathy spots a *Drosera* with white flowers, as large as, or larger than, a shilling, and very glandular leaves closely appressed to the ground. Among the bushes climbed another species of *Drosera* with tiny leaves so covered with mucilage as to be prismatic as the sun shines on it, so the children call it the rainbow plant. Here and there were blue-flowered orchids, and there were masses of the deliciously fragrant wattle, while the British gorse, *Ulex europaeus*, gave a homelike touch to the scene. We lunched excellently at a village inn on good English food. The rooms were clean and comfortable. The farmhouses were well built, and everywhere appeared comfort and happiness. It did one's heart good to see the loyalty to England displayed not only in these purely British settlements, but also in townships almost exclusively of German folk. The views over the great flat plain on which Adelaide is built, and to the distant sea, enjoyed from these elevations, were magnificent, and to see the sun go down in its blood-red splendour was a never-to-be-forgotten sight. At Mount Lofty are splendid houses and magnificent gardens, and one looks down over a rich orchard valley named Piccadilly, where the soil is so rich that as much as four hundred pounds per acre has been paid for it, and yet still living people remember the man and his wife who first started growing garden produce there and bringing it down in baskets to sell in the city streets. In one of the woods which we botanised grows the rare fern *Gleichenia*, and there, too, were interesting orchids, species of *Banksia* and *Hakia*, and glorious specimens of *Eucalyptus*.

In open places the handsome red-flowered *Kennedya* grew with the wild lilac, a beautiful leguminous plant. Sunday was spent quietly at the beautiful residence of Mrs. Crompton on the slope of the hills, where her garden brought a lump to the throat, as it reminded us of home—now so distant and in such troubled times; for there were snowdrops and primroses, violets, pansies, daffodils, jonquils, and periwinkles in beautiful show, while a gigantic *Wistaria* climbed over the house in rampant growth. Close by were the extensive vineyards, and near these were olive-groves—olive oil is extensively produced here—and there were apple-orchards with the trees still bare, contrasting with the snowy masses of the almond-blossoms on the plains below. In the narrow valley were splendid Alderney cows, and the numberless fowls were of good British strains—the keynote was prosperity. Inside the house culture was evident, and conversation soon showed that we had common acquaintances in the Old Land.

At Adelaide the feature of the Association was Sir Oliver Lodge's lecture on "The Ether of Space," and as he is a past-master in his manner of delivery of an oration, the audience much enjoyed the intellectual treat it afforded. His suggestion that what we had been accustomed to think of as the very essence of tenuity—this ether—was immensely heavier or denser than gold or platinum came as a surprise to his audience, even if the reasons for this startling theory were somewhat inadequate.

Many excursions were planned, including a week-end visit to the Broken Hill Mines, but, constant to my love, I went with a small botanical party by motor for about 140 miles through the hills to the Murray River. This proved a very interesting day, for our route once again led through the eucalyptus-covered range to the place

where the tunnel for the new water-supply is being made, and then through grazing country, showing now, alas! but little pasturage, but on which beautiful specimens of eucalyptus grew, often thickly covered with the parasitic mistletoe *Loranthus*. Later on we came to the Mallee, consisting of small gum-trees, acacias, and she-oaks (*Casuarina*), growing in a subsoil of reddish earth which is quite easily made ready for corn-culture. In moist years there is a rich growth, often five feet high, and a plentiful yield, but this year the fields looked terribly bare. The rolling hills were covered with a thick growth of the Continental *Echium italicum*, and the country here reminded one of the bare hills of the district about Burgos in Spain. European species of *Erodium* were also common, the seeds being doubtless introduced in the wool of imported merino sheep, but the native vegetation at this time of the year was not impressive. So clear was the air that we could distinctly see the distant hills beyond the Murray River nearly a hundred miles away. Eventually we came to Mannum on the Murray, here a slowly rolling wide stream of very muddy-coloured water. In the fields bordering it many saline species of the *Chenopodiaceae* grew, and here I found a very acrid nettle with rather pretty leaves and flowers, but it was a venomous stinger. Two or three British pondweeds were growing in the river, and in the marshes *Azolla* was already making its presence noticeable.

At this place there is a considerable manufactory of agricultural implements, the reaping-machines cutting off the ears of corn only, leaving the straw in the fields. The excellence of the village inns is due to the efforts of the Commercial Travellers' Association, who have raised the standard of cleanliness, food, and accommodation to a high point. We noticed that the drinking-water, milk, and cream were covered with muslin to keep off flies, the butter was of excellent quality, and few people took intoxicants, the inevitable tea being the common beverage.

NETHERLANDS NOTES.

Export Prohibitions.—The exportation of cubebs is provisionally allowed. The "Staatscourant" of September 24 contains a royal decree, which prohibits the exportation of linseed, cole-seed, rape-seed, and other oilseeds (except caraway-seed, mustard-seed, and poppy-seed), linseed-cake and linseed-meal, rape-seed cake and rape-seed meal, earth-nut cake and earth-nut meal, cotton-seed cake and cotton-seed meal, and of other provender-cakes.

Drug-supply.—The wholesale firm Koninklijke Pharmaceutische Handelsvereniging, of Amsterdam, publishes a complete list of drugs and dressings which it can no longer supply. The list includes lead acetate, crude pyriligneous acid, acetyl-salicylic acid, anhydrous phosphoric acid, orange-flowers, formalin, levulose sugar, homatropine sulphate, scopolamine sulphate, pyrethrum powder, iodine, ammonia alum, lanoline, physostigmine sulphate, and several proprietary chemicals and surgical dressings of German origin.

Water-purification.—Owing to the large number of refugees in Holland, special measures have had to be taken to prevent the outbreak of contagious diseases. In co-operation with the Dutch Red Cross organisation, the Central Council for Public Health is doing its utmost to soften the misery caused by war. Nurses have been provided for the sick, wounded, and refugees, and also medicines and dressings. The assistance of the local committees for public health has often been invoked for the supply of potable water. After having considered the different methods for purifying water, the Central Council has adopted the Kunow method with the improvements introduced by Professor Eijkman. According to this process 100 litres of water is mixed, in a tub with a tap, with 5 grams of a mixture of three parts of potassium permanganate and two parts of copper sulphate, which have previously been dissolved in water. After well mixing the liquid into the water, the tub is covered with a cloth and put aside for five hours. Then a saturated solution of ferrous sulphate is added till the liquid shows no red colour after stirring. The liquid is again put aside, and when the precipitate has settled the slightly yellow-tinted water is run off from the tap and filtered through a sand filter.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Revision of Drug Tariff in 1915.

A draft new regulation (to come into operation on January 1) of the National Health Insurance (Medical Benefit) Regulations has been made, of which Section 3 gives Insurance Committees power to alter during 1913 the terms upon which the supply of drugs and appliances is undertaken. The section is as follows:

The power conferred on the Committee by Article 13 of the principal Regulations of altering the Drug Tariff or any other of the terms upon which the supply of drugs and appliances is undertaken shall, as respects the year 1915, be deemed to include a power for the Committee to alter those terms as from such date in that year as the Commissioners may approve upon giving notice of such alteration to the person supplying drugs or appliances not later than six weeks before that date, and accordingly the provisions of Article 13 and of paragraph (2) of Article 19 of those Regulations (which relates to the length of notice required to be given by a person supplying drugs or appliances of his desire to have his name removed from the list) shall apply as though the date so approved were the commencement of a year.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

Birmingham.—The Pharmaceutical Committee on October 9 decided to submit the Draft Tariff for 1915 to the Insurance and Panel Committees as the basis for contracts for 1915. The Committee regarded with favour the proposed introduction of joint arrangements for checking prescriptions, and decided to suggest to the Insurance Committee the desirability of a conference between the three Committees to discuss the subject. The Secretary reported that further steps had been taken to secure, if possible, monthly payment of accounts. It was decided to arrange for a meeting of panel chemists on Wednesday, October 28, at 3 P.M.

Burton-on-Trent.—At a meeting of the Insurance Committee on October 8 it was reported that 11,904 prescriptions chargeable to the Drug Fund had been dispensed during the quarter ended July 11, 1914, at a cost of 370*l.* 11*s.* 6*d.*, the average cost per prescription being 7.47*d.* The Medical Benefit Sub-Committee reported that a letter had been received from local solicitors on behalf of the doctor who was surcharged for excessive prescribing, but after careful consideration the Sub-Committee did not propose to alter their recommendation adopted at the last meeting of the Committee. The Sub-Committee reported that they had considered the analysis prepared by the Pharmaceutical Committee of prescriptions issued by panel practitioners during the fifteen months ended April 11, 1914, and had also received a report from the Panel Committee arising out of a report to them of the Pharmaceutical Committee under Article 40 of the Regulations. The question of excessive prescribing was thoroughly considered, and it was decided to deal, in the first place, with the nine months ended January 11, 1914. They recommended that the three doctors whose prescribing showed an excess over the general average be surcharged 33½ per cent. of such excess—viz., 41*l.* 11*s.* 5*d.*, 2*l.* 18*s.* 3*d.*, and 2*l.* 1*s.* 7*d.*—and that consideration of the figures for the three months ended April 11, 1914, be deferred till the figures for the whole of the medical year were available. The analysis of prescriptions referred to above shows that for the nine months in question the general average cost of prescriptions was 7.55*d.* The highest average for one panel practitioner worked out at 10.51*d.* and the lowest at 5.07*d.* The highest number of prescriptions per patient was 8.72 and the lowest 3.25, the cost per patient varying from 1*s.* 1*d.* to 7*s.* 9.4*d.*, with an average of 3*s.* 2.5*d.*

Bury.—It was reported to the Insurance Committee on October 7 that a letter had been received from the Commissioners regarding the deficiency on the Drug Fund for the year ended January 11, 1914, recommending further inquiry under Article 46 of the Regulations, 1912. It was decided to defer further consideration of the matter. The Medical Benefit Sub-Committee reported that they had considered a letter from the Pharmaceutical Committee advertising to a suggestion which had been made earlier in the year, that an alternative form of account should be adopted whereby the number and value of the prescriptions issued by each practitioner could be ascertained monthly. Al-

though the Sub-Committee did not at the time approve of the proposed forms, they had now found it advisable to suggest their use, and recommended that the Clerk be instructed to draw up a revised form of chemists' accounts and submit it to the Commissioners for approval. The Secretary of the Pharmaceutical Committee intimated that a rota had been formed for the opening of chemists' shops on Sundays, 6 to 7 P.M.; Tuesdays (winter months only), 6 to 8 P.M.; and holidays, 10 to 11 P.M. With regard to the proposed flat rate for lotions supplied as emergency medicines, which had been referred to the Panel and Pharmaceutical Committees, a reply was read from the Secretary of the former Committee stating that the Panel Committee had decided that there was no necessity to enter into further negotiations, as the Pharmaceutical Committee had a remedy under the regulations, if of the opinion that any practitioner was guilty of extravagance. The Sub-Committee recommended that the Pharmaceutical Committee be informed of the reply (*C. & D.*, August 15, p. 42).

Cornwall.—The Pharmaceutical Committee met on October 6, when a summary of the scrutiny for the medical year 1913 was considered. This showed that 114,695 prescriptions had been dispensed in the area at a cost of 4,010*l.* 17*s.* 5½*d.*, the average cost per prescription being 8*d.* and the average cost per insured person 2*s.* 3*d.* It was decided to send a copy of the summary to the Panel Committee, and ask them to make a recommendation to the Insurance Committee regarding the deficit for 1913. The Draft Tariff for 1915 was discussed, and it was decided that it should be submitted to the Panel Committee for approval, on the understanding that all prices which had been left blank would be fixed monthly by a central authority representing the parties concerned. The Secretary was instructed to send a circular-letter to all chemists on the panel advising them to sign the contracts for 1915.

Gateshead.—At a meeting of the Insurance Committee on October 13 it was reported that the chemists would be paid 95 per cent. of their accounts as rendered for the past quarter. This is slightly more than in the previous quarters.

Hampshire.—The Insurance Committee on October 5 passed the following payments: To chemists, 90 per cent. of their accounts for the second quarter of 1914; to doctors, at the rate of 1*s.* 6*d.* per head on the numbers on their lists at the commencement of the same quarter, and at the further rate of 4½*d.* for those insured persons for whom they dispense.—At a meeting of the Pharmaceutical Committee on October 7, Mr. H. C. Allen presiding in the absence of the Chairman, a long discussion took place on the report of the prescription-checker (*C. & D.*, October 10, 1914, p. 53), and it was finally resolved "that a recommendation be sent to the Panel Committee that stock mixtures and all proprietary articles should be disallowed." The recommendation of the Medical Benefit Sub-Committee regarding monthly payment of accounts (*C. & D.*, October 10, 1914, p. 53) was approved, and the Secretary was instructed to ask the Clerk to the Insurance Committee to place the whole of the chemists' accounts for 1914 before the Pharmaceutical Committee for examination. It was decided, after discussion, to accept the Draft Tariff for 1915 as the basis of negotiations with the Insurance Committee for the 1915 agreements.

Hull.—The Insurance Committee have intimated to panel chemists that homœopathic medicines are to be supplied under the Act if prescribed by panel doctors.

Leicestershire.—The Medical Benefit Sub-Committee reported to the Insurance Committee on October 6 that 32,631 prescriptions were dispensed during the quarter ended July 11, at a cost of 1,043*l.* 2*s.*

London.—A special meeting of the Panel Committee was held on October 13, when it was decided, in regard to the investigation under Article 40 of the Medical Benefit Regulations, 1913, demanded by the Pharmaceutical Committee, of the prescriptions of sixty-five practitioners, on the ground of excessive and extravagant prescribing, that the Pharmacy Sub-Committee should investigate the several cases and report to the Committee. Members asked for some examples of the prescriptions complained of, and the Chairman mentioned the following: The ordering of urotropine under that name; the ordering of mixtures in 16-oz. quantities; 4 oz. of liquid extract of ergot in one prescription; 8 lb. of cod-liver oil in one week; prescriptions which should last five days repeated day after day; a prescription consisting only of spirit of peppermint, value 3*s.* 7*d.*; ordering a 16-oz. mixture, and in two days ordering a different or the same mixture. Questions were asked as to what practitioners should do in cases where patients alleged that they had dropped the bottles of medicine, or stated that the medicine was too sour or too sweet, and asked for another mixture.

The Chairman thought practitioners should have sufficient force of character to refuse such applicants. It was reported that the Insurance Committee had sent a letter to each panel practitioner asking that the use of the formula "Rep. mist." might be discontinued. A letter was ordered to be sent to the Insurance Committee protesting that at a conference between representatives of the Panel and Pharmaceutical Committees a compromise was agreed upon whereby the formula "Rep. mist." might be used, provided the repeat prescriptions were given in the same calendar month as the original and bore the name and address of the patient.

Middlesex.—A special meeting of the Pharmaceutical Committee was held on October 7 to decide on the course of action in regard to the Tariff for 1915, copies of which were circulated for inspection. After discussion it was agreed that under the circumstances nothing could be done but accept the Draft Tariff, and that a copy of the same, as the Tariff recommended by the Committee, be forwarded to the Insurance Committee. Dr. Shanks, as representing the Panel Committee, and the Secretary were asked to send covering letters setting out the circumstances and asking for an early meeting. Messrs. Clement, Skinner, Webber, and Wolff being appointed representatives of the Committee if a meeting were found necessary. On the suggestion of the Chairman some discussion took place on the agreement and the discounting clause, but the question of a militant negative attitude found no support.

Norwich.—The Finance Sub-Committee reported to the Insurance Committee that the Drug Suspense Fund for 1913 amounted to 822*l.* 2*s.* 6*d.*, and had been apportioned as follows: To the Panel Fund, 500*l.* 8*s.* 2*d.*; to the Drug Fund, 321*l.* 14*s.* 4*d.*

Reading.—The Insurance Committee on October 7 passed payments to chemists of 108*l.* 19*s.*, representing 75 per cent. of their accounts as rendered, and to four panel doctors of 15*l.* 2*s.* for the supply of medicines, etc., to insured persons. It was decided that the Medical Benefit Sub-Committee should consult with the Panel and Pharmaceutical Committee in regard to the examination of prescriptions, with a view to setting up a uniform system of checking.

Rochdale.—The Insurance Committee, on October 12, decided to pay chemists 850*l.* on account for the past quarter, this being at the rate of 90 per cent. of the estimated sum available.

Sheffield.—The Pharmaceutical Committee met on October 9, Mr. J. G. Jackson presiding. A letter was read from Mr. J. M. T. Reynolds, who has removed to Nottingham, resigning his seat on the Committee. The resignation was accepted with regret, and notice to elect Mr. Airey in his place was given. It was reported that the Commissioners had sanctioned the payment to the Committee of administrative expenses as decided upon by the Insurance Committee. A long discussion took place on the Draft Tariff for 1915 and the circular in regard to it received from the Secretary of the Pharmaceutical Society. It was reported that a letter had been received from the Clerk of the Insurance Committee stating that:

1. The Local Medical Committee desired the abolition of the 1*d.* copying-fee.

2. The Panel Committee are of opinion that the Tariff urgently needs revision, but feel that in the present emergency it may be allowed to stand over, except for the abolition of the 1*d.* copying-fee.

It was decided to accept the Draft Tariff as a temporary measure. The Committee were of opinion that, while some revision would eventually have to be arranged, the present time was not suitable for this. In regard to the copying-fee, they would be prepared to accept duplicate prescriptions, but could not agree to its abolition unless each prescription could be dispensed at sight, failing which a 1*d.* search-fee should be paid.

South Shields.—The Insurance Committee on October 5 decided, on the recommendation of the Finance Sub-Committee, to pay to chemists 70 per cent. of their accounts as rendered, instead of 90 per cent. as hitherto, on the ground that a sum of 231*l.* 1*s.* 4*d.* had been advanced to chemists in excess of what should have been paid under the Commissioners' instructions.

West Ham.—A meeting of the West Ham Association of Pharmacists was held on October 8 at Forest Gate, London, E., Mr. E. Miller (President) in the chair. There was an attendance of twenty-three members. Mr. J. Kirkpatrick (Hon. Secretary of the West Ham Pharmaceutical Committee) reported upon the position of affairs in regard to the payment of accounts. He referred to the deficiency at the end of the first six months of the present year, and considered that, owing to the abnormal conditions due to the war, this deficiency might be much increased during

the following six months, unless some strong measures were taken to prevent it. The cause of this deficiency, he said, is due to excessive prescribing—both in quantity and in frequency. He reminded the members that very shortly they would have the new contracts placed before them for adoption, and he desired to know how the members would proceed. Mr. Woolcock, who was present, addressed the meeting. Mr. Mitchell referred to frequency of prescribing as being a great cause of the deficiency, and he suggested that if the "Repeat" prescription was not allowed, doctors would be more careful in seeing that they do not prescribe too frequently for one patient. Mr. Matthews, Mr. Potter, Mr. Soper, Mr. Blades, and Mr. Mays all spoke upon the matter. It was decided to leave the consideration of accepting the Tariff to the West Ham Pharmaceutical Committee. An informal vote was taken as to whether the pharmacists were willing to remain upon the panel or otherwise: the majority were in favour of continuing the service at least for the present. Mr. Kirkpatrick suggested that the date of the annual meeting of the Association should coincide with that of the Pharmaceutical Committee. This matter was referred to the Committee for consideration. The following pharmacists were suggested as representatives upon the District Medical Relief Committees: Leyton, Mr. Seed; Barking, Mr. Freeman; East Ham, Mr. Graham; West Ham, Mr. E. Miller.

West Sussex.—At a meeting of the Insurance Committee on October 9, a letter was read from the Hon. Secretary of the local Medical and Panel Committees stating, with reference to the application by the Pharmaceutical Committee for a grant of 25*l.* for administrative expenses, that the Panel Committee did not intend to make a similar application, and they did not acquiesce in the request of the Pharmaceutical Committee if the money was to be used for the cost of checking prescriptions. If, however, the money was required for other purposes, they were prepared to reconsider the position. It was decided that the contents of the letter be communicated to the Secretary of the Pharmaceutical Committee. The Medical Benefit Sub-Committee, reporting on a complaint regarding a plaster, recommended that in future cases a sufficient quantity be secured by the complainant for an adequate analysis to be made.

Wolverhampton.—Mr. E. E. Hall presided over a meeting of panel chemists on October 12, when the Draft Tariff for 1915 was unanimously adopted.

Yorkshire (East Riding).—At a meeting of the Pharmaceutical Committee on October 1, Memo. 199, as to checking and scrutiny of prescriptions, was read and considered. It was resolved to report to the Insurance Committee that it was desirable that statistics be drawn up regarding the average cost of prescriptions, average number per doctor, etc., the cost of the scrutiny to be borne by the three Committees or as arranged. The Draft Tariff for 1915 was considered and adopted, with a request that the Sunday and half-holiday fees at present in operation be retained in the agreements.

SCOTLAND.

Aberdeen.—A meeting of the Medical Benefit Sub-Committee was held on October 12, at which there was considered the report of a recent conference between representatives of the Insurance, Panel, and Pharmaceutical Committees regarding the situation as brought out by Dr. Tocher's report on local dispensing. More than one medical representative expressed the opinion that the high cost of drugs in the burgh was due to the superior prescribing of Aberdeen doctors. Dr. Beveridge admitted that some of the examples given revealed a certain amount of scandalous carelessness in prescribing, but pointed out that only a minority of practitioners were responsible for the inflated prices. The chemists' representatives contended that one reason of the excessive charges on the Drug Fund was the failure of panel practitioners to mark properly prescriptions which should be charged to the Sanatorium Benefit Fund, and the medical representatives undertook to draw the attention of the Panel Committee to this matter. It was announced that the Panel Committee were making efforts to bring the minority of expensive prescribers into line with the majority of the practitioners, and it was finally decided that representatives of the Panel and Pharmaceutical Committees should confer with Mr. Johnston, the Committee's prescription-checker, and revise the system of checking, so that effective action might be taken.

WALES.

Denbighshire.—According to a report presented to the Insurance Committee, 24,624 prescriptions were dispensed during the quarter ended July 11, the average cost being slightly under 7.5*d.*, as against 8*d.* in the preceding quarter.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., October 15, 6.30 p.m.

NO material change can be reported in business conditions, the home demand being principally for current requirements in view of the unsettled markets. There is, however, a fair export demand for chemicals, but the satisfactory conclusion of business is frequently attended with difficulty for obvious reasons. Considerable irregularity still prevails in the prices asked for so-called fine chemicals, owing to the fact that a few dealers are willing to accept reasonable bids in order to clear out portions of their stock while the present high values obtain. Fair supplies of certain products urgently wanted have again arrived, and prices for such have an easier tendency. Salicylates are, however, firmer owing to the continued active demand. Carbolic acid is dearer, and is likely to advance further on account of hospital and war requirements. Quicksilver supplies are now said to be controlled by the Government, and prices are nominal. Silicates of soda have advanced 5s. per ton. Citric acid, cream of tartar, acetic acid, and milk-sugar tend downwards. Ipecacuanha is in fair demand at steady rates, and flat high-dried rhubarb is held for an advance. Guarana, kola, and English castor oil are easier. Chamomiles maintain previous prices with future supplies a doubtful quantity. Essential oils are quiet, a notable decline having occurred in lemon and to a less extent in American peppermint oils in bulk and bottled; geranium oil is pressed for sale. Copaiba oil is cheaper. Other changes include a reduction in turpentine, cottonseed, and linseed oils; coconut is firmer. The principal movements have been as under:

Higher	Firmer	Easier	Lower
Antimony	Ammonia	Anise oil	Acetic acid
Carbolic acid	sulphate	(star)	Castor oil
Petroleum	Cloves	Citric acid	(Eng.)
Quicksilver	Coconut oil	Cottonseed oil	Celery oil
Sodium silicate	Pepper	Guarana	Cod-liver oil
Turmeric	Salicylates	Kola	Cream of tartar
		Senega	Formaldehyde
			Glucose
			Lemon oil
			Linseed oil
			Milk-sugar
			Peppermint oil (Amer.)
			Turpentine

Cablegram.

NEW YORK, October 15.—Business in drugs is fair. Both opium and menthol are unchanged. Peppermint oil in tins is 5c. per lb. easier at \$1.65. Copaiba balsam is lower at 37c. Cartagena ipecacuanha is also easier at \$1.45, and balsam tolu at 45c. Belladonna-root is firmer at \$1.10, and jalap at 11c. per lb.

London Markets.

ACETIC ACID.—Arrivals still continue on a generous scale, and prices have an easier tendency. Commercial 80-per-cent. is quoted 28 $\frac{1}{2}$ to 30 $\frac{1}{2}$, and 98 to 100 per cent. glacial B.P. 43 $\frac{1}{2}$ to 45 $\frac{1}{2}$ per ton.

ACID, ACETYSALICYLIC, is offered at from 6s. to 6s. 6d. per lb.

ANISE OIL (STAR) has an easy tone, with sellers of "Red Ship" brand at 6s. 1d. per lb. spot.

ANISEED is slow of sale, and the quotation is unchanged at 40s. per cwt. for ordinary Russian.

ANTIMONY is much higher for prompt delivery, English regulus being 50l. to 55l. and Chinese 50l. net. Crude oil spot is 17l. per ton.

BALSAMS.—Genuine B.P. Peru is offered in one quarter at 6s. per lb. net, others asking 6s. 6d. to 7s. Tolu is quoted 1s. 10 $\frac{1}{2}$ d. to 1s. 11d. net, and B.P. Copaiba at 1s. 7d. to 1s. 7 $\frac{1}{2}$ d.

BISMUTH-SALTS.—The following are the makers' prices, which in the present state of the markets are nominal and without engagement: Bismuth subcarbonate, 11s. 5d.; subnitrate, 10s. 3d.; oxide, 14s. 0 $\frac{1}{2}$ d.; citrate, 12s. 5 $\frac{1}{2}$ d.; nitrate cryst., 7s. 5d.; and oxychlor., 12s. 1d. per lb. net.

BROMIDES.—Further quantities of American bromides are now landing, particularly potassium. Market is unchanged at 3s. 9d. for potassium and ammonium and 3s. 6d. for sodium.

CALUMBA.—There is a fair quantity of common dusty sorts on offer, the value of which is about 16s. Good bright natural sorts are worth 27s.

CAMPHOR (REFINED).—Business has been done in Japanese 2 $\frac{1}{2}$ -lb. slabs at 2s. spot and 1-oz. tablets at 2s. 5d.

CANARY-SEED is quiet at 100s. to 102s. 6d. per quarter for good Morocco, 90s. for fair Dutch, and 105s. to 125s. for ordinary to fine Spanish.

CARAWAY-SEED is firm at 23s. 6d. per cwt. for good Dutch on the spot.

CARBOLIC ACID.—Crude is from 1 $\frac{1}{2}$ d. to 2d. per gal. dearer at 2s. 4d. to 2s. 4 $\frac{1}{2}$ d. for 60-per-cent., East and West Coast. Crystals, 39° to 40° C. solid ice crystals, are quoted at 10 $\frac{1}{2}$ d. per lb. large bulk packing, the detached crystals being 1d. per lb. more. The export demand is well maintained, chiefly on behalf of France and Russia, and the possibility is that prices will go still higher.

CASTOR OIL.—English-make is 10s. per ton cheaper at 25 $\frac{1}{2}$ 10s. for first-pressing in barrels for prompt to December 1914 delivery, delivered free on wharf London. Finest medicinal quality is 50s. per ton over the price of firsts, and oil in tins and cases 50s. over the respective price in barrels. Belgian firsts remains at 26 $\frac{1}{2}$ 10s. in barrels ex wharf London. Good seconds Calcutta in Liverpool is quiet at 4 $\frac{1}{2}$ d. per lb.

CELERY OIL.—Genuine seed being offered at much lower prices, the oil has been reduced to 35s. per lb.

CHAMOMILES.—The recent arrivals of Belgian have come to an almost bare market, and prices are not likely to go any lower than quoted last week. It is doubtful if further supplies will be forthcoming.

CHLORAL HYDRATE is quoted at from 7s. to 7s. 6d. per lb., duty paid, being slightly easier than our previous quotation.

CITRIC ACID.—From 3s. to 3s. 1d. represents the spot values as to quantity.

CLOVES are rather firmer, with sales of Zanzibar at 8d. to 8 $\frac{1}{2}$ d. per lb. spot. Supplies of new crop are said to have accumulated at Zanzibar awaiting shipment, on the arrival of which prices should be cheaper.

COCAINE is an easy market, with one make of hydrochloride offered at 7s. 6d. per oz., others quoting 8s. to 8s. 6d.

COCOA-BUTTER.—At auction 100 cases Sandow were bought in at 1s. 2d. per lb.

CODEINE is steady at from 15s. 6d. to 16s. per oz. for the pure alkaloid.

COD-LIVER OIL.—Our Bergen correspondent writes, on October 5, that the demand has somewhat improved, and new orders have been received for prompt shipment. Prices have been unsettled, but are now from 70s. to 70s. 6d. per barrel c.i.f. terms for good quality. Writing again on October 12, our Bergen correspondent states that a certain amount of business has taken place, and prime non-congealing oil is quoted at about 72s. per barrel c.i.f. The total exports from Norway up to the end of September amount to about 31,000 barrels, against 26,200 barrels at the same date in 1913.

COPAIBA OIL.—The balsam being offered at lower rates enables English distillers to reduce their price to 4s. 6d. per lb.

COPPER SULPHATE is unchanged at 20l. per ton for the usual Liverpool brands.

CORIANDER-SEED is selling at 12s. per cwt. for sound, and at 9s. for wormy Morocco.

CREAM OF TARTAR is quoted at from 175s. to 180s. per cwt. for prompt delivery irrespective of strength.

COMIN-SEED is offering at 45s. per cwt. for good Morocco, and at 52s. 6d. for Malta.

EUCALYPTUS OIL in cwt. lots of B.P. quality is offered at 1s. 5d. per lb.

FENUGREEK-SEED is slow of sale at 9s. per cwt. for Morocco.

FORMALDEHYDE is cheaper at from 65s. to 70s. per cwt.; the lower price could probably be shaded.

GLUCOSE has been reduced 3d. per cwt. to 13s. 1½d. for the usual brands of American. Starches are also cheaper, powdered offering at 11s. 7½d. and pearl at 11s. 4½d. ex wharf London.

GUARANA.—With more plentiful offers from primary markets, prices are easier.

HYPOPHOSPHITES.—The following are the makers' list prices and for lots under 1 cwt.: Calcium, 1s. 11d.; sodium, 2s. 1d.; and potassium, 2s. 1d. per lb. net.

IODINE PREPS.—The exports of potassium iodide from Japan during July amounted to 5,054 kin, valued at 31,523 yen. During the seven months ended July 31 the figures were as follows:

	1912	1913	1914
Kin ...	25,951	33,390	45,024
Yen ...	162,766	192,865	283,093

The exports of *crude iodine* from Japan during July were 1,505 kin, valued at 11,061 kin, and for the seven months the exports were as follows:

	1912	1913	1914
Kin ...	9,444	8,927	11,780
Yen ...	46,105	£2,224	71,540

IPECACUANHA is still in fair demand, the value of fair Matto Grosso being 8s. 3d., and for fine bold root 8s. 6d. is wanted.

KOLA.—With fair supplies of dried West Indian on hand and a slackened demand, prices are easier, fair sound offering at 33d. and a trifle less.

LEMON OIL.—Values are again lower, new crop for forward shipment offering at 4s. 6d. to 5s. 6d. c.i.f., prompt shipment 4s. 7d. to 5s., and on the spot from 5s. to 5s. 6d. per lb. is quoted.

LIME-JUICE.—Although fair arrivals have taken and are still taking place, there is very little offering in the open market, stocks being in the hands of distributors.

LINSEED is quoted 45s. to 50s. per quarter for fair to good quality.

LIQUORICE-ROOT.—Although a few tons have been landed recently, the market is much dearer since the outbreak of war, the value of rough natural being about 17s. to 18s., and for fair decorticated up to 40s. is quoted.

LITHIA.—Quiet at about 4s. per lb. for the carbonate.

MENTHOL.—Quiet, with spot sellers at 10s. 3d. per lb.

The exports from Japan during July were 8,039 kin (June 17,936 kin), valued at 60,969 yen, and for the seven months ended July 31 the figures are as follows:

	1912	1913	1914
Kin ...	75,033	128,868	217,115
Yen ...	602,970	1,795,614	1,502,670

The destinations for the seven months (January-July) were as follows:

	1912	1913	1914
	Kin	Kin	Kin
British India ...	5,492	6,157	9,569
Great Britain ...	16,398	34,297	37,049
France ...	6,525	19,455	17,823
Germany ...	30,410	46,623	82,600
U.S.A ...	15,130	17,007	63,664
Other countries ...	1,078	5,329	6,004

	1912	1913	1914
Kin ...	75,033	128,868	217,115
Yen ...	602,970	1,795,614	1,502,670

The exports of *mint oil* from Japan during July were 8,164 kin (June 23,768 kin), and for the seven months (January-July) the figures are as follows:

	1912	1913	1914
Kin ...	98,257	170,491	228,263
Yen ...	354,058	666,482	694,608

MERCURIALS.—Present makers' quotations, which are quite nominal, are: Calomel, 3s. 8d.; corrosive sublimate, 3s. 2d.; red and white precipitate, 3s. 11d.; yellow oxide, 4s.; persulphate, 3s. 3d.; sulph. with sulphur, 3s. 3d.; mercury with chalk, 2s. per lb., all net.

MILK-SUGAR.—With fair arrivals taking place from Holland and the United States, holders are making concessions, and finest white powdered (B.P.) quality is offering at from 77s. 6d. to 80s. per cwt. Some holders, however, ask 85s.

MORPHINE.—From 10s. 9d. to 11s. per oz. is quoted from makers for hydrochloride.

OILS, FIXED.—*Linseed oil* is lower as a consequence of the market now being an "open" one. Pipes on spot are quoted 21s. 9d. to 22s. and barrels 21s. 3d. to 21s. 6d. *Cottonseed* is easier, crude on spot in pipes offering at 25s., pale refined in pipes 25s. 3d., and sweet in barrels 31s. 6d.; sweet p.s.y. 30s. net ex wharf. *Coconut oil* is firmer at 56s. for Cochin and 46s. to 48s. for Ceylon on the spot; London-pressed is 40s. 6d. spot. English refined *Rape oil* is quoted 35s. 6d. Ravison, naked on spot, 30s.; English refined in barrels is 35s. 6d. and Japan in cases 28s. 9d. for September-October. *Lagos Palm oil* is 22s. to 32s. 3d. spot in Liverpool. *Manchurian Soya* is 25s. 6d. in cases on spot. *Petroleum* is ½d. dearer at 7½d. for Russian, 7½d. for ordinary refined American, and 8½d. for water-white.

OLIVE OIL.—Small parcels of "Sublime" offer at from 5s. 6d. to 5s. 9d. per gal.

OPUM is firm and unaltered, with a retail business in Turkey druggists' at 21s. per lb. for 11½ per cent., sellers, however, being few. Persian ranges in price from 15s. to 20s. per lb. About 130 cases Persian are arriving this week, and altogether there is a London stock of over a thousand cases, so that the market is rendered practically independent of Turkish supplies for, say, the next six months. A Smyrna correspondent writes, on September 25 (received October 12), that since forwarding their last report of September 5 some 150 to 160 cases of opium have been shipped to London and New York, mostly on consignment for account of holders. Some opium, however, has been bought by shippers to fulfil old engagements or fresh orders, but for these 24s. has been paid for extra Karahissar selected, and 19s. to 22s. for lower-grade mixed goods. The export price has advanced owing to the abnormal low exchange existing, which obliges the merchant to sell his London cash draft at a loss of 20 to 25 per cent. The sowings have not begun, and owing to the disturbed state of the country no sowings will be carried out this year, except what the peasant women and children can do. Anyway, we may from now reckon on a very short crop next year; therefore the article will maintain very high figures, if even the Moratorium is off and exchange on London recovers its usual rate. The arrivals are 1,171 cases, against 3,025 cases at same date last year.

ORANGE-PEEL.—Genuine Tripoli strip is very scarce, it being said that 2s. 6d. has been paid for a retail lot.

PEPPER.—The value of fair black Singapore on the spot is 5½d. to 6d. Tellicherry 5½d. and Lampong 5½d., with sales at 5½d.; to arrive Singapore for October-November is quoted 4½d. c.i.f. *White* Singapore is quoted 10½d. to 10½d., fair Siam 10½d. Muntok has been sold at 11½d. spot. At auction (for cash before October 31) ten bags fine white Singapore sold at 10½d. to 10½d., and two cases fine Tellicherry coriander white pepper at 1s. 2d.

PEPPERMINT OIL.—Best brands of American oil in tins are quoted at 7s. 6d. per lb. net for October-November shipment, and on the spot 8s. 6d. will buy; H.G.H. is also cheaper at 12s. 6d.

POTASH PERMANGANATE.—Values range from 150s. to 165s. per cwt.

POTASHES.—The extreme prices quoted have considerably reduced the demand; in fact, the refined potassium carbonate is obtainable at a lower price than Montreal potashes.

QUICKSILVER.—A report is current that the British Government has secured control of the principal stocks, and that there is now practically nothing to be had. Small lots have been sold at from 10l. to 10l. 10s. per bottle. The leading importers have no quotation, and prices are quite nominal.

RESORCIN is offered at 5s. per lb.

RHUBARB.—The value of flat High-dried is now from 1s. 3d. to 1s. 4d. per lb., supplies of this description being small. Rough round is worth 10d.

SALICYLATES.—The demand is well maintained, and probably over 5s. per lb. would have to be paid for sodium.

SALOL has sellers at from 4s. 6d. to 5s.; there is a fair demand.

SANTONIN.—Extremely limited quantities offer at from 175s. to 180s. per lb.

SARSAPARILLA.—Sellers of Mexican ask 10d. per lb. on spot.

SENEGA is offered at 1s. 10d. per lb. net on spot. Arrivals of new crop are taking place in fair quantity.

SHELLAC.—Quiet, with sellers of the usual standard brand of TN at 55s. 6d. to 56s., and caky A. C. Garnet at 59s. 6d. Futures steady, with sales of October delivery at 54s. and sellers at 55s.

SOY is steady at from 1s. 8½d. to 1s. 9d. per gal.

SULPHUR.—Sicilian flowers are quoted 12l. and *roll* 11l. to 11l. 10s. ex wharf London.

TARTARIC ACID.—Spot price is rather harder at 1s. 9d. per lb.

TURPENTINE is about 1s. per cwt. lower, American closing at 30s. 9d. per cwt. on the spot, and at 31s. for November-December.

WAX, JAPANESE.—Business has been done at 47s. 6d. per cwt. c.i.f. for stuff afloat. The spot price is 55s. to 57s. 6d.; demand fair.

The Week's Arrivals.

During the period October 8 to 14 inclusive the following drugs, chemicals, and allied produce have arrived at the principal English ports. Where not stated the figures denote packages:

Acetate of lime (Boston) (bgs.)	4,082	"Gum" (Singapore) pkgs.	315
Acetic acid (Gothenburg) pkgs. 400, (Rotterdam) cks. 14, (Philadelphia) cys. 130, djs. 25, (New York) brls. 109		Gum copal (Singapore) bks. 396, cs. 128, (Antwerp) 986, (Java) 216, (Rotterdam) 50, (Lisbon) 140	
Albumen (Havre) ...	7	Gum damar (Batavia) (cs.)	50
Alcohol (New York) (brls.)	140	Herbs (Malta) ... (bls.)	26
Almonds (Faro) serons 315, (Spain) pkgs. 1,586		Honey (Calif.) cs. 200, (Havre) 21	
Aloes (Mossel Bay), in tr. (cs.)	129	Insect-powder (Malta) pkgs.	43
Ammon. nit. (Antwerp) (cks.)	1,504	Iusecticides (Belgium) pkgs.	27
Ammon. perchlor. (Gothenburg) ...	100	Ipecacuanha (Colon) ...	10
Aniline colours (see also dyes (Genoa) ... (pkgs.)	584	Kola (Trinidad) ...	14
Apricot-kernels (Denia) 18, (Shanghai) 99		Lime-juice (Trinidad) lhd. 387, cks. 218, pns. 46, (Halifax) pns. 8	
Argol (Oporto) ...	30	Lime-oil (Trinidad) (pkgs.)	103
Arrowroot (Trinidad) (brls.)	150	Linseed (Calcutta) bgs. 23,133, (Buenos Ayres) tons 1,473, (Antwerp) bgs. 3,525, tons 309	
Boric acid (Leighorn) ...	16	Linseed oil (Rotterdam)	340
Calcium carbide (Skien) drms. 1,527, (Drontheim) 1,990 (Bergen) 1,260, (Christiania) 245, (Gothenburg) drms. 1,520		Listerine (New York) pkgs.	148
Camphor, crude (Kobe) cs.	125	Lithopone (Rotterdam) (cks.)	76
Canary-seed (Spain) bgs. 400, (Holland) 200, (Turkey) bgs. 1,212		Magnes. carb. (Amsterdam) cs. 96, (Copenhagen) 60	
Caramel (Rotterdam) ...	40	Medicinal products (Genoa) (cs.)	300
Caraway-seed (Holland) 213		Medicines (Boston) pkgs. 288, (New York) 592	
Cardamoms (Colombo) ...	31	Mercury (Turkey) (botts.)	83
Cascara sagrada (Havre) 31		Milk-sugar (Amsterdam) cs. 8, (Rotterdam) cs. 10	
Cascin (St. Nazaire) ...	134	Nut oil (Antwerp) 55, (Rotterdam) drms. 50	
Chamomiles (Belgium) (bls.)	85	Nutmegs (Singapore) (cs.)	100
Chemical products (Gothenburg) cs. 7, (Dunkirk) cks. 305, (Rotterdam) pkgs. 38, (New York) pkgs. 253, (Dieppe) 14, (Genoa) cs. 12, (Rouen) 11		Olive oil (Genoa) pkgs. 2,381, (Bordeaux) cs. 1,169	
Chloral hydrate (New York) ... (drms.)	22	Opium (Constantinople)	56
Cinnamon (Rotterdam) bls.	117	Palm oil (W.C. Africa) (cks.)	1,104
Citrate of lime (Trinidad) (cks.)	5	Pepper (Singapore) bgs. 1,106, (Batavia) 165, (Colombo) 64, (Havre) bgs. 1,181	
Citric acid (Genoa) (cs.)	20	Pepper, red (Denia) (cs.)	350
Cochineal (Las Palmas)	14	Peptone (New York) ...	36
Cod-liver oil (Norway) (brls.)	1,607	Potash carb. (Antwerp) 25, (Havre) 21	
Cottonseed (Alexandria) tons 2,898, (Batoum) bgs. 1,207		Potash caustic (Rotterdam) drms. 30, (Gothenburg) pkgs. 60	
Cottonseed oil (New York) (brls.)	250	Potash chlor. (Antwerp) 50, (Gothenburg) 20	
Cream of tartar (Oporto) cks. 32, (Bordeaux) 5		Potash perchlor. (Gothenburg) ...	20
Dextrine (Holland) ...	50	Potash prussiate (Havre)	10
Drugs (Honfleur) cs. 3, (New York) bxs. 31, (Dieppe) 44, (Calais) 6, (Havre) 149		Potash salts (Rotterdam) (cks.)	19
Dye stuffs, colours, etc. (Christiania) cs. 32, (Dunkirk) 15, (Rotterdam) 29		Potashes (Montreal) ...	14
Ergot (Lisbon) ...	20	Quinine sulphate (Amsterdam) ... (cs.)	159
Essential oils (Havre) (pkgs.)	13	Rapeseed (Piræus; cwt. 6,200	
Eucalyptus gum (Melbourne) ... (cs.)	5	Rapeseed oil (Japan) cs. 5,000	
Eucalyptus oil (Melbourne) cs. 44; 50 cs. in tr.		Roots, barks, etc. (New York) ...	48
Farina (Holland) bgs. 1,190, (Rotterdam) 95		Rose-water (Amsterdam) cks. 4	
Formaldehyde (New York) (brls.)	103	Rosin (Gothenburg) 50, (Bordeaux) 250, (Antwerp) 540	
Fornio acid (Rotterdam) cks. 10, blns. 48		Saccharin (Rotterdam) cks. 2	
Gelatin (Dunkirk) (cks.)	13	Sarsaparilla (Colon) ...	6
Ginger (Hong-Kong) cks. 100, cs. 2,401		Seedlac (Calcutta) ...	150
Glucose (New York) ...	657	Senna (Port Said) ...	20
Glycerin (Oporto) drms. 20, (Amsterdam) drms. 150, (Ghent) drms. 90, (Rotterdam) cks. 20		Shell and button lac (Calcutta) ... (cs.)	645

Sperm oil (Japan) (cs.)	500	Wax, paraffin (Amsterdam) cs. 115, (Sourabaya) bgs. 2,400, (U.S.A.) brls. 1,184, (Rangoon) 1,440	
Spices (Trinidad) ...	51	Witch-hazel ext. (New York) ...	11
Tartar (Genoa) ... (cks.)	4	Zinc oxide (New York)	820
Turpentine (Gothenburg)	76	Zinc sulphate (Philadelphia) ... (brls.)	19
Vaseline (New York) ...	211		
Wax, bees' (W.C. Africa) (brls.)	256		
Wax, carnauba (Brazil) (pkgs.)	1,703		

Heavy Chemicals.

If anything, there is a rather better general demand for heavy chemicals both on home trade and export account. Values keep on the firm side.

SULPHATE OF AMMONIA has improved a little, and present nearest figures are: London terms, 25-per-cent., 9l. 17s. 6d. to 10l.; Leith, 10l. 15s.; Liverpool, 10l. 12s. 6d.; and Hull, 10l. 10s.

Forward business in general chemicals is restricted as compared with the general state of affairs at this time of the year by inability on the part of both manufacturers and consumers to decide how they will eventually be situated. Some alkali contracts have been put through at old rates. Bleaching-powder runs 7l. 15s. to 8l. Caustic soda, 70-per-cent., 9l. 12s. 6d., and 60-per-cent., 8l. 12s. 6d. Silicates of soda have advanced 5s. per ton.

American Drug-market.

New York, September 30.

A sagging tendency has been created in numerous prices in the drug-market by a noteworthy diminution in buying, due chiefly to the fact that a large number of leading consumers have filled their immediate requirements and are becoming more conservative. Also arrivals of crude drugs and medicinal chemicals from neutral ports and the growing belief that supplies of foreign-made commodities will soon be replenished to a considerable extent have exerted a reactionary influence.

ALOES.—Curaçao is in more liberal supply. Revised quotations are 14c. to 15c. for both cases and gourds.

BALSAM, FIR.—An absence of offering of Canada fir from the primary source is noted, and the market, while quiet, remains steady at \$8.00 per gal. Oregon has advanced, making the revised quotation 80c. to 90c. per gal.

BELLADONNA-LEAVES.—Reduction of spot stocks close to the vanishing-point has raised the prices to \$2.25 per lb.

BUCHU-LEAVES are easier. The demand recently has been light, and some holders desire to realise. Prices have been reduced to \$1.60 to \$1.65 for short, and \$1.40 to \$1.45 for long.

BUCKTHORN-BARK.—Slightly easier. Spot stocks are far from plentiful, and offers are now being made at 20c. to 25c.

TOLU is easier under freer offerings. Prices have been reduced to 50c. and 55c.

London Drug-auctions.

The usual fortnightly drug-auction due to be held this week was abandoned in view of the small amount of public buying at the previous sale. It must, however, be said that a fair quantity changed hands privately after the auction, both for home trade and export. The drugs dealt with included East Indian aloes, Sumatra benzoin, balsams, dragon's-blood, ipecacuanha, rhubarb, sarsaparilla, etc. A spice-sale was held this week at one of the broker's offices, when capsicums (23), cinnamon (103), cassia (70), pepper (108), clove-stems (60), mace (1), cardamoms (6), nutmegs (105), and ginger (339) sold practically without reserve for cash before October 31.

Antimony.

Since the outbreak of war there has been a sharp advance in the price of antimony, amounting, roughly, to about 23l. per ton, the best brands of English refined selling up to about 55l. per ton, less 3½ per cent. discount. It is evident that the extra requirements involved by the war have accentuated the general demand, while consumers everywhere were rather short of stocks, as they had accustomed themselves to hand-to-mouth buying over a lengthy period, during which the price kept mostly below 30l. During August the advance was only gradual, as home refiners had good stocks awaiting disposal, but in September very good clearances were effected. American importers have been buying more freely, and considerable quantities were also purchased for despatch to Russia. In the present buoyant state of the market prices may easily go much higher, while the fact may be recalled that antimony during the Russo-Japanese war reached about 125l. per ton. A repetition of this is considered unlikely, but some apprehension has nevertheless been aroused lately, having regard to the reduced supplies of raw material now forthcoming from China. There are but few offers of raw Chinese antimony, which commands comparatively high prices, and this factor is making itself felt.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Dispensers in the R.A.M.C.

SIR,—Several of your correspondents have called attention to the status of dispensers in the R.A.M.C. The Field Service Manual of the Army Medical Service, in so far as it relates to the Expeditionary Force, gives all particulars of the war establishment of the various hospitals. In every case a sergeant-dispenser, as well as a corporal-dispenser, is appointed to each hospital, so that there can be no mistake in regard to the military rank of dispensers in general. The Standing Orders for the Territorial Force Nursing Service state most distinctly that it is a sister (or nurse) who is personally responsible for the correct measurement of all drugs employed for hypodermic injections, sleeping-draughts, and strong poisons. It is the sister also who must ensure that all poisons and external applications are kept in their appointed place, and that the special poison-cupboard is kept carefully locked, and the key removed. There appears to be little left to do by a registered chemist in respect of his civilian qualification of seller of scheduled poisons, for the potent articles are under the care and control of the sister.

It is difficult to see how dispensers can hope to aspire to the rank of commissioned officers, as such a rank is open to registered medical men only. The regulations for admission to the Royal Army Medical Corps are quite explicit on that point. A pharmacist in France may obtain a commission in the army of his country, because he has duly been examined by the State, and he holds a purely personal professional title, granted to him in respect not only of his professional pharmaceutical studies, but also of the military service he has rendered his country, which is binding on him as on every other respectable member of his sex. He may not use his title in the service or for the benefit of any other person not also a pharmacist registered and controlled by the State, and that is done in the interests of the humblest French citizen. The conditions in England are vastly different.

Yours, etc.,
G. E. OLIVER.

The Supply of Locums, etc.

SIR,—What is the matter with Jay Mack? He says that he could not get a locum "for any money" six months ago. Perhaps he does not read the *C. & D. Supplement*. There were any number of qualified persons advertising in the *C. & D.* of April last. Last week no fewer than twenty qualified men were advertising, and one advertisement for a manager brought in twenty-five replies. We don't want to work with stock mixtures, for there is plenty of time to make all mixtures in every shop, and heaps of available qualified labour too. I don't know what the British Pharmacopoeia 1914 has to do with the supply of chloral; and, although I have been registered for over twenty years, I have never met one of those terrible inspectors of whom "Jay Mack" seems to have such abject fear; not even an emissary from Bloomsbury Square have I ever seen: as I am getting old, I don't suppose that I shall see any now. "Jay Mack" wants bucking up; he is like a gloomy Dean.

Yours, etc.,
X. Y. Z.

Metric Weights and Measures.

SIR,—"Xrayser II." is surely in error. In our dispensing department each pharmacist has a set of metric weights and measures; we have also metric weights up to 500 grams, and I think this is the rule in most houses where any considerable amount of dispensing is done.

Yours faithfully,
JOHN BELL & CROVDEN, LTD.,
JOHN D. MARSHALL, Managing Director.

Bristol Insurance Accounts.

SIR,—The last paragraph of "Bristolian's" letter (*C. & D.*, October 10, p. 60) hits the nail right on the head, and I for one shall be glad of "Xrayser II.'s" advice. At present I know not what course to take in regard to 1915, but shall have to decide prior to December 3. A business friend, who is not a chemist, advises me to go off the panel. On the other hand, every other member of our local Association is dead against my going off.

Yours faithfully,
JANTO. (122/13.)

Tinctura Nucis Vomicae, B.P. 1914.

SIR,—Dr. McWalter makes no attempt to argue on its merits the question of the alteration of strength of *tr. nuc. vom.* in the B.P. 1914, though it ought to be sufficiently obvious that, whereas *tr. nuc. vom.* is more useful to the prescriber than *ext. nuc. vom. liq.*, so—within limits—a weaker *tr. nuc. vom.* is better still; for, *ceteris paribus*, the more dilute the solution of a potent drug is, the handier is it in the hands of the prescriber. Are doctors so unintelligent as to go on forgetting the strength of the new tincture, or that twice one are two?

Yours truly,
R. CECIL OWEN, B.Sc.
Chester.

Tinctura Strophanthi, B.P. 1914.

Mr. H. Wippell Gadd, B.L., Exeter, writes in regard to the alteration of the strength of tincture of strophanthus: "The results of experiments which I have before me confirm the statements that have been made that tinctura strophanthi, B.P. 1898, was much too strong, and *a fortiori* the 1914 tincture is so also. Pharmacists, however, confronted with prescriptions for tincture of strophanthus on January 1 of next year will have no option, but will be required by their legal and professional obligations to dispense the prescriptions in accordance with the directions of the volume then official. What may be the possible consequences we tremble to think. Is it too late for the General Medical Council to remedy this blunder?"

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Inderjao.

"Inderjao or indurjan is the bark of *Holarrhena antidysenterica*, Wall., *Apocynaceae*, an Indian remedy for dysentery," writes R. S. (10/10), in reply to the inquiry of "Bucks" (*C. & D.*, October 10, p. 61).

"Indrajao—Indra's seed—Indra being the Sanskrit equivalent of Jupiter or Zeus the Thunderer—the seeds of *Holarrhena antidysenterica*, is a popular remedy in Hindu medicine. If unable to obtain from wholesale druggists, the Indian and Colonial Institute might be able to furnish a sample."—J. G. Prebble (12/10).

A South African Trouble.

The following well-written order was recently received by Mr. L. G. Greaves, chemist and optician, Kroonstad, S.A.:

SIR,—Will you obtain what's the wrong with me?

I always feel—

1. Pains in the chest.
2. Lung disease.
3. Roaring stomach after eating.
4. Backache.
5. Short breathing.
6. Liver troubles.
7. Indigestion.

The writer apparently believed in the Biblical number of symptoms.

A Voice from India.

An *Indian Manager* (96/67) writes: "I have become a subscriber of your paper from July, and am receiving it regularly. I simply wish to tell you that I love your paper. I am not satisfied till I have finished it. This noble profession in India is in a backward state, and the price-cutting mania is the cause of our ruin. The European chemists are always better, because they price their lines properly. My Indian brothers are spoiling the trade. The other day a Lahore firm advertised in papers that they are selling patent medicines without profit. We can't understand how they could afford to live on. In India the trade jealousy is too much, and chemists of one place don't speak to each other. When I read of your societies, chemists' clubs, etc., a pang of enthusiasm prevails within me, and I wish there could be such clubs in India also."

Determination of Woody Fibre in Drugs.

"At the British Pharmaceutical Conference in Birmingham in 1906, Mr. H. W. Jones, F.C.S., read a paper on 'The Determination of Fibre in Drugs,' in which he suggested the use of liquid ammonia (s.g. 0.880) for the alkali treatment in place of the usual soda or potash method. While this, no doubt, gives good comparative results, it is not an easy process to carry out, and there is often a wide difference between the results obtained by the two methods. The older process consists in digesting the air-dried substance first with hot diluted sulphuric acid, removal of the acid, and subsequent treatment with a hot dilute solution of sodium hydroxide; the residue is then washed with hot water, alcohol, and ether, dried, weighed, and ignited. The weight of the ash deducted from the previous weight gives the 'fibre.' This process will be found tedious and unsatisfactory, especially when much oil or resin exists in the drug, and the present writer has found that it is an advantage to remove the oil, etc., first in the usual way, and then proceed with the acid treatment, using a deep, narrow beaker, and collecting the precipitate on a Swedish filter-paper. The residue is then washed off the filter-paper by means of a wash-bottle charged with hot water, treated with alkali, and finally washed, the treatment with alcohol and ether being, of course, omitted unless substances are present which render their use necessary. It may be added that sometimes it is desirable to use carbon disulphide, chloroform, petroleum ether, and other such solvents for the primary treatment. The writer is of opinion that this alteration of the order of procedure leads to a great saving of time and temper. The nitrogen-content in the final residue is, as a rule, almost negligible, but that of the ash is important."—*Abel Scholar.*

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

S. P. M. (96/1).—The article on "Dentists" in *The Chemist and Druggist Diary*, 1914, p. 481, will give you all the information that you require as to the use of titles. There is nothing in the Dentists Act to prevent you carrying on a dental surgery and performing dental operations, so long as you do not assume titles indicating that you are specially qualified to practise dentistry, and you will not be entitled to sue for fees, but only in respect to the supply of materials.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

W. R. L. (80/76).—VIN DIURETICQUE, TROUSSEAU, is made from the following formula, which we quote from "Pharmaceutical Formulas," p. 821:

Fol. digitalis pulv.	...	...	5 grams
Rad. scillæ	...	...	15 grams
Bacc. juniperi	...	...	75 grams
Potass. acetatis sicc.	...	...	50 grams
Vin blanc	...	...	900 grams
Alcohol (90-per-cent.)	...	...	100 grams

Bruise the squill and the juniper-berries, and macerate, together with the digitalis, in the mixed vin blanc and alcohol for six days, shaking from time to time. Strain, and press the mass. Dissolve the acetate of potash in the wine, and filter.

The usual dose is a tablespoonful twice or three times a day.

F. S. M. C. (81/14).—From 30l. to 45l. a year, according to location of the situation (country or town) and the abilities of the person, are the limits of salary for indoor chemists' improvers just out of their apprenticeship and under twenty-one years of age.

F. J. O. (U.S.A.) (81/37).—All the qualifications that you mention, having been obtained in the United States, are useless for registration as a chemist and druggist in Great Britain, except perhaps the certificates of your graduation

at a high school, provided they include the subjects that the Pharmaceutical Society require for registration as an apprentice or student, which are English, arithmetic, algebra, geometry, and two other subjects, such as Latin and French (see *C. & D.*, August 15, p. 51). The four years that you served with a chemist and druggist in England would be recognised on entering for the Minor examination, but the examinations passed at the University of Pittsburgh and before the State authorities would not excuse you from any subjects of the Minor examination, all the subjects of which you would have to pass at one time.

Cremor (99/63) wants to know how to make an INSEPARABLE LIME-CREAM from the following formula:

Liq. calais	...	...	...	5XL.
Ol. nucis pallid.	...	...	...	3XXXV.
Ol. bergamot,				
Ol. limon.	...	...	...	aa. 3ij.—M.

[With lime-water and oil it is not competent to prepare a cream that will not show some separation after standing for a time. The consistence of the cream is not sufficiently thick to prevent a little of the oil (the lighter constituent) from coming to the top. If the consistence be made such as to prevent separation completely, the cream is too thick to pour conveniently. The addition of a judicious quantity of white beeswax improves the consistence and lessens the rapidity and amount of separation without causing the cream to be unduly thick. About 5 drachms of white wax is a suitable quantity for the recipe. Melt the wax in the oil over a water-bath with as short heating as possible, and otherwise proceed in the usual way. The cream produced in this manner is liked by users. It makes the hair "lie" well. Synthetic bergamot serves excellently well for such a preparation.]

A. F. (113/39).—Hydrocyanic acid (Scheele) is the best lethal agent for killing dogs; it must be given by the mouth. For small dogs the lethal chamber fully described and illustrated in "Veterinary Counter-practice" may be used. To this we refer you, as fuller particulars are given in the book than we can repeat here.

Feral (116/43).—The percentage of FAILURES in the MINOR EXAMINATION last year was 51.71 per cent. in London and 41.63 per cent. in Edinburgh. Mr. Glyn-Jones's Chemists' Assistants Bill was blocked in the House of Commons, and never reached the second reading.

Borax (114/24).—Cresol, B.P. 1914, is to be practically pure meta-cresol, soluble 1 in 50 of water to a neutral solution, s.g. 1.045 to 1.050. At least 90 per cent. should distil between 195° and 205° C. Tests for the exclusion of phenols and hydrocarbon oils are also given. The new formula for liquor cresolis saponatus is printed in this issue (p. 51). No papers dealing with this subject have been published recently, but see "Pharmaceutical Formulas."

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," October 15, 1864.

An Editorial Note.

The first scientific meeting of the British Pharmaceutical Conference has been as great a success as its most earnest friends could have possibly desired. Having given the Association our support from the first moment that the idea was mooted, and having felt a warm interest in seeing the intentions of its founders carried out in the fullest manner, it is a source of great pride and pleasure to us to think that we have contributed our mite towards the establishment of a scientific body, which we trust will last as long as the British Association itself. We must acknowledge, however, that, knowing so well the attainments and business capabilities of the members of the first committee, we never had the slightest doubt of the ultimate success of the undertaking, and consequently felt perfectly safe in reiterating our favourable prophecies. With such a president as Mr. Deane, whose urbanity won all hearts, and who made everyone feel that the domain of science was neutral territory where all could meet as friends and brothers, the result could not have been otherwise than successful. Mr. Deane's exertions were most ably seconded by the indefatigable secretaries, Dr. Attfield and Mr. Reynolds, as well as by the treasurer, Mr. Brady. It would really be difficult to say what these gentlemen did not do to promote the success of the Meeting. Taking notes under the most adverse circumstances, making diagrams on the blackboard, reading the almost illegible manuscripts of contributors, and acting generally as guides, philosophers, and friends, all came equally easy to them, and everything was done with good-humoured energy.

PEARS

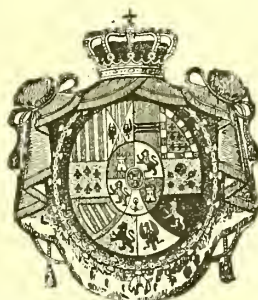
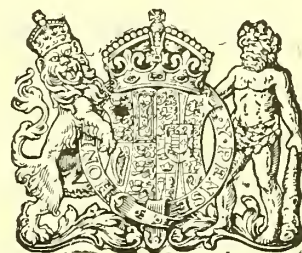


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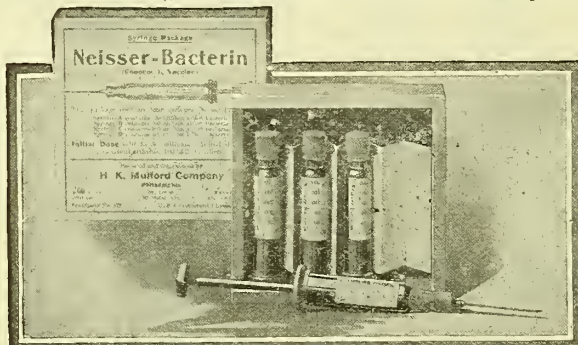
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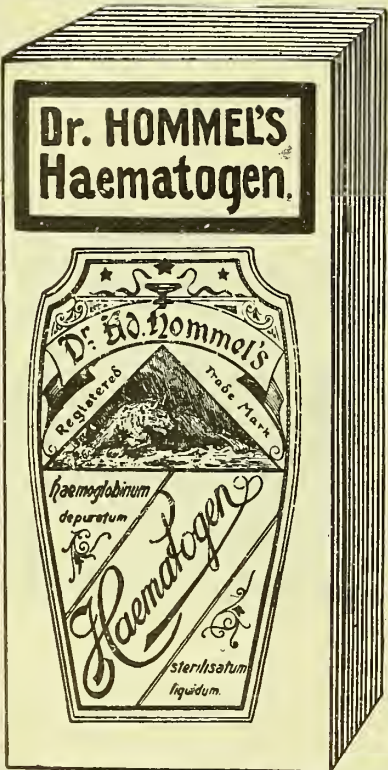
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- " Benz. P.B., 7 lbs. @ 3/6 lb.; 1 lb. @ 4/- lb.
- " Boric Pulv., 3 cwt. @ 34/- cwt.; 1 cwt. @ 34/6 cwt.; levigd. 3/- cwt. or 3d. lb. extra.
- " Carbol. Xtls., 39/40; 56 lbs. @ 10d. lb.; 10 lb. Tins @ 9/- each; 36 1-lb. Bots. @ 1/- lb.; Single Bots. @ 1/1 lb.; Detached Cryst. 10 lb. Tins @ 10/- each; 1 lb. @ 1/6 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.
- " Citric Cryst., B.P., 85, 7 lb. in Bags @ 3/6 lb.; powder 3d. lb. extra.
- " Diethylbarbituric, 1 oz. @ 2/- oz.
- " Gallic pur., P.B., 7 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
- " Hydrobrom., Dil. P.B., 6 lbs. @ 1/- lb.
- " Hydrochlor. Coml., cases of 4 2-gal. jars, 18/6 each; 20 case lots @ 17/6 each.
- " Hydrocyan. P.B., 6 lbs. @ 1/2 lb.; 1 lb. @ 1/9 lb.; 36 1-oz. Vials @ 3/9 doz.
- " Oxalic Cryst., 1 cwt. @ 7½ d. lb.; 14 lbs. @ 8d. lb.
- " Phosph. Dil., B.P., 7 lbs. @ 4½ d. lb.
- " Salicyl. pulv. 7 lbs. @ 3/9 lb.
- " Sulphur, Coml., cases, 4 2-gal. jars, 18/6 each; 20 cases @ 17/6 each.
- " Sulph. Aromat. B.P., 5 lbs. @ 3/8 lb.
- " Tannic, B.P., 7 lb. @ 3/9 lb.
- " Tart., cryst. or pulv., B.P., 1885, 7 lbs. @ 1/9 lb.; parv. ½ d. lb. extra.
- A** depts Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
- A** depts Lana., B.P., Anhydrous, 7 lbs. @ 2/- lb.; Hydrous, 7 lbs. @ 1/10 lb.
- A** erugo **A** ris Pulv., 14 lbs. @ 11d. lb.
- A** loes Barb., English ground, 28 lbs. @ 84/- cwt.; 7 lbs. @ 10d. lb.
- A** loes Socot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ Aloin, B.P., 1 lb. @ 4/3 lb. [1/5 lb.]
- A** mmon. Benz., 7 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
- A** mmon. Brom., P.B., 1 cwt. @ 4/1 lb.; 7 lbs. @ 4/4 lb.
- A** mmon. Carb., lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5d. lb.; 7 lbs. @ 5½ d. lb.; powder, ½ d. lb. extra.
- A** mmon. Chlor., 99% pulv., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.; Batteries, 4/- cwt. extra.
- A** myli Pulv. 10 cwt. @ 13/9 cwt.; 2½ cwt. @ 15/- cwt.; 1 cwt. @ 16/- cwt.
- A** niseed, English ground, 1 cwt. @ 68/- cwt.; 7 lbs. @ 8d. lb.
- A** ntium. Crocus Pulv., 1 cwt. @ 37/6 cwt.; 7 lbs. @ 5d. lb.
- A** ntium. Nig. Pulv., 1 cwt. @ 27/- cwt.; 14 lbs. @ 31/- cwt.
- A** ntium. Tart. pulv. 7 lbs. @ 1/6 lb.
- A** piol, 1 lb. @ 34/- lb.
- ***A** qua Anetbi Conc. 1-40, 1 lb. @ 2/11 lb.
- " Anisi Conc. 1-40, 1 lb. @ 3/1 lb.
- " Aurant. Conc. 1-40, 1 lb. @ 6/1 lb.
- " Aurant. Trip., 6 lbs. @ 7d. lb.
- " Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
- " Laurocerasi, 6 lbs. @ 7d. lb.
- " Menth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.
- " Rose Conc. 1-40, 1 lb. @ 7/- lb.
- " Rosæ Trip., 6 lbs. @ 7d. lb.
- " Samb. Conc., 1-40, 1 lb. @ 6/1 lb.
- " Samb. Trip. 6 lbs. @ 8d. lb.
- A** raoba, fine powder, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
- *Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
- A** rgent. Nit., 6's to oz., 25 oz. @ 1/9½ oz.; 1 oz. @ 1/11 oz.
- A** rgent. Nit., Cryst., 25 oz. @ 1/8 oz.; 8 oz. @ 1/9 oz.
- A** rsenic, Alb. Pulv., 2 cwt. @ 17/- cwt.; 7 lbs. @ 4d. lb.
- A** tropinæ Sulph., P.B., 1 oz. @ 43/6 oz.
- A** uri. Chlor., 6 doz. 15 gr. tubes @ 18/3 doz. 1 doz. 15 gr. tubes @ 19/6 doz.
- B** als. Copaibæ, pure, 44 lbs. @ 1/10½ lb.; 9 lb. @ 2/1 lb.; 1 lb. @ 2/4 lb.
- " Peruv., P.B., 7 lbs. @ 9/- lb.; 1 lb. @ 9/3 lb.
- " Sulphur, 7 lbs. @ 8d. lb. [lb.]
- " Tolut. B.P., 50 lbs. @ 2/5 lb.; 1 lb. @ 3/2 lb.
- B** enzo-Naphtbol, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.
- B** ismut., P.B., Carb., 28 lbs. @ 11/2 lb.; 7 lbs. @ 11/3 lb.; 3 lbs. @ 11/4 lb.; 1 lb. @ 11/6 lb.; subnit. 1/- lb. less.
- B** oracic Mixture, 1 cwt. @ 44/- cwt.
- B** orax, 1 cwt. @ 20/-; powder 1/- extra.
- B** utyl-Chloral Hydras., P.B., 1 lb. @ 15/- lb.
- C** affeine, P.B., 1 lb. @ 16/- lb.
- C** affeinæ Cit., B.P., 1 lb. @ 12/6 lb.
- C** alamina, powder, fine pink, 5 cwt. @ 11/6 cwt.; 1 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.
- C** alamine, B.P., 1885, 7 lbs. @ 9d. lb.
- C** alci Carb. Præcip., 5 cwt. @ 13/- cwt.; 1 cwt. @ 16/- cwt.; 28 lbs. @ 21/- cwt.
- " Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
- " Hypophosph. Pur., P.B., 1 lb. @ 2/3 lb.
- " Iodid., 1 lb. @ 20/6 lb.
- C** ampbor, English Flowers, "not artificial," 5 lbs. @ 2/3 lb., ½ oz. or ½ oz. 7 lbs. @ 2/4 lb. Crude, good white, about 92% as imported, 140 lbs. @ 1/11 lb.; 28 lbs. @ 2/- lb.
- C** antharides, Russian, 7 lbs. @ 9/6 lb.; powder 6d. lb. extra.
- C** apsicine, soluble, 1 lb. @ 6/6 lb.
- C** arbo Animalis or Ligni, powder or lump, 1 cwt. @ 14/- cwt.; 28 lbs. @ 2d. lb.
- C** ardamoms, 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.
- C** armine, Finest, 1 lb. @ 25/- lb.; No. 2, 1 lb. @ 20/- lb.
- C** era Alba, B.P., White Moons, 28 lbs. @ 2/1 lb.; 4 lbs. @ 2/2 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9½ lb.; 4 lbs. @ 1/10½ lb.; 1 oz., ½ oz. Tabs., 7 lbs. @ 1/10½ lb.
- C** erii Oxalas, 7 lbs. @ 1/2 lb.
- C** etaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.
- C** hloral Hydras Cryst. B.P., 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
- ***C** hlorodyne, 5 lbs. @ 2/- lb.
- ***C** hloroform, pure, B.P., 12 8-lbs. @ 1/9 lb.; 8 lbs. @ 1/10 lb.; 6 1-lb. bots. @ 2/- lb.
- C** ocaine Hydrochlor., B.P., 25 ozs. @ 7/9 oz.; 4 ozs. @ 8/3 oz.; 1 oz. @ 9/- oz.
- C** odeina, 1 oz. @ 16/- oz.; Phosph., 1 oz. @ 12/9 oz.; Hydrochlor. or Sulph., 1 oz. @ 14/1 oz.
- C** olocynth, Apple, English ground, 1 cwt. @ 11½ d. lb.; 28 lbs. @ 1/- lb.; 7 lbs. @ 1/2 lb.
- C** omposition Powder (Coffin's), 1 cwt. @ 58/- cwt.; 7 lbs. @ 7½ d. lb.
- C** onf. Sennæ, P.B., 14 lbs. @ 9d. lb.; 7 lbs. @ 10½ d. lb.
- C** ort. Aurant. Exot. Shreds, 7 lbs. @ 2/10 lb.
- " Cinchon. Rub. (Quill), 7 lbs. @ 1/- lb.
- " Ulmi Fulvæ, Pulv., 1 cwt. @ 8½ d. lb.; 7 lbs. @ 10d. lb.
- C** ream of Tartar, 98% powder, 7 lbs. @ 1/10 lb.
- C** reasote, Beechwood, P.B., 7 lbs. @ 3/6 lb.
- C** ræta c. Camph., 7 lbs. @ 8d. lb.
- " Gall. Pulv., in sacks, 10 cwt. @ 7/9 cwt.; 1 cwt. @ 9/3 cwt.; 14 lbs. @ 1½ d. lb.
- C** ræta Preparata, 7 lbs. in box, 9d. each.
- C** ubeba, English ground, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.
- ***D** ec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/9 lb.
- " Sinecroco, 6 lbs. @ 1/2 lb. [lb.]
- " Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 1/10 lb.
- " Senegæ Conc., 6 lbs. @ 2/6 lb.
- E** mp. Spread, 12 yards x 16 ins. adhesive, 3/8; Ballard. B.P.C., Green @ 16/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi @ 6/-; Resin @ 4/6; Roborans @ 6/-; Saponis, B.P. @ 6/-
- " Picis, P.B., 7 lbs. @ 8½ d. lb.
- " Plumbi, P.B., 7 lbs. @ 8½ d. lb.
- " Resinæ, P.B., 7 lbs. @ 8½ d. lb.
- " Roborans, 7 lbs. @ 8½ d. lb.
- E** mulsio Ol. Morrhue, 5 lbs. @ 11d. lb.
- E** sserine Sulph. in 15-grain tubes, 5/3 each.
- E** ss. Bergam. (Oil), 12 lbs. @ 18/6 lb.; 1 lb. @ 19/6 lb.; not guaranteed absolutely pure.
- E** ss. Limonis (oil) original coppers, 12 lbs. @ 6/6 lb.; 6 1-lb. bots. @ 7/- lb.; not guaranteed absolutely pure.
- ***E** ss. Moschi (not artificial), 5 lbs. @ 10/3 lb.; 1 lb. @ 11/3 lb.
- ***E** ss. Pear (artificial), Jargonelle, 5 lbs. @ 2/- lb.; Bergamot, 2/6 lb. [lb.]
- ***E** ss. Pineapple, 5 lbs. @ 3/4 lb.
- " Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb.
- " Vanilla Beans, 5 lb. @ 4/4 lb.; 1 lb. @ 4/7 lb.
- ***E** xt. Belladonnæ Liq., B.P., 5 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.; solid, 7 lbs. @ 4/7 lb.
- E** xt. Cannab. Ind. Alc., B.P., 1 lb. @ 45/- lb.
- E** xt. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
- ***E** xt. Ergot. Liq. P.B., 5 lbs. @ 5/3 lb.; 1 lb. @ 5/6 lb.; Solid, P.B., 4 lbs. @ 32/- lb.; 1 lb. @ 33/- lb.
- E** xt. Filicis Liq., P.B., 9 lbs. @ 8/9 lb.; 1 lb. @ 9/- lb.
- E** xt. Gent., P.B., solid, 1 cwt. @ 1/- lb.; 7 lbs. @ 1/2 lb.
- ***E** xt. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7½ lb.
- ***E** xt. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
- E** xt. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.
- ***E** xt. Ipecac. Liq., P.B., 5 lbs. @ 14/- lb.; 1 lb. @ 15/- lb.
- E** xt. Malti c. Ol. Jecoris, 10 lbs. @ 5½ d. lb.
- ***E** xt. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.; 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.
- E** xt. Opil Solid, P.B., 1 lb. @ 44/- lb.
- ***E** xt. Opil Liq., B.P., 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
- E** xt. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
- E** xt. Sarsæ Co. Solid, 7 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.
- F** erri Ammon. Cit., P.B., 28 lbs. @ 3/11 lb.; 7 lbs. @ 4/- lb.
- F** erri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
- F** erri et Quinina Cit. P.B., 100 ozs. @ 7½ d. oz.; 25 ozs. @ 8d. oz.
- F** erri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 3d. lb.
- F** errum Redact., 80%, 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.
- F** lor. Anth. Exot., 7 lbs. @ 1/2 lb.
- F** ol. Buchu, oval, good green, 7 lbs. @ 2/8 lb.
- F** ol. Hyoscyam. Bien., 7 lbs. @ 5/- lb.; pulv., 4/6 lb.
- F** ol. Sennæ Alex. parv., 28 lbs. @ 6d. lb.

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SATURDAY, OCTOBER 17, 1914.

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BIRMINGHAM (Main Road, Busy Quarter). — Old-established Chemist's and Panel Business; returns, including panel, £700; stock, fixtures £200; lease six years; price £200 or offer quick sale; part could remain; owner joined A.M.C. ordered abroad. Apply, "C," 94 Regent Street, Smethwick.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

DEVONSHIRE Coast.—Genuine Business, good class, no Dentistry or Optics; returns regularly increasing; good position, facing South; healthy, roomy house; present returns £787; profits estimated £225; price £500. 4/13, Office of this Paper.

ESSEX.—Owing to death, Chemist's Business for immediate Disposal; nearest Chemist 5 miles; near Church, Bank, Station, and largest new Ranges; suit beginner or elderly Chemist; rent £18 and taxes; price £50 or near offer as it stands; call on premises. "Chemist," Rainham, Essex.

LONDON.—Light Suburban Retail, Dispensing, and Prescribing Business, in splendid position, and capable of further increase; returns £1,550, producing a clear net income of £477; own property; 21 years' lease granted at moderate rental; fullest investigation courted; price £800. Apply, "T. J. S." (5/16), Office of this Paper.

LONDON, N.E.—Old-established, profitable Cash Retail Business; in same hands many years; present turnover between £700 and £800; not on Panel, otherwise would be doing over £1,000; very good position; fully stocked; illness sole reason for selling; price for early sale £300; exceptional opportunity for smart man. "Otto" (5/016), Office of this Paper.

LONDON, S.W.—Old-established Business; run on modern lines; splendidly fitted with electric light and gas; well stocked; long lease; open to reasonable offer for immediate purchase. Personal inspection invited after applying to "Seltart" (126/67), Office of this Paper.

LONDON, S.W.—Good neighbourhood; genuine Retail and Dispensing; practically unopposed; good-sized house; returns £450; held on lease; rent £60; price £380. "M. G." (5/27), Office of this Paper.

LONDON, W.C.—Modern fitted Pharmacy; established 10 years in main thoroughfare; rent £200 (exclusive); goodwill £100; fittings at valuation; stock as required; owner having other interests immediate possession can be arranged. Apply, 281/25, Office of this Paper.

LONGTON. — Business, 26 years established, to be given up through illness; well stocked; non-Panel; grand opening for qualified Chemist. 155 High Street, Longton, Staffs.

SURREY.—Unopposed Light Country Retail; established by vendor five years, and increasing yearly; returns last year £620; net profit £200; books kept; nicely fitted, well stocked; scope for Optics; price £350. W. W. Thomas, Knaphill, near Woking.

YORK (Death Vacancy).—Old-established Business in main thoroughfare; been neglected through ill-health; returns about £500; scope for large increase; large shop and excellent premises; rent £30; good fixtures and useful stock; for quick sale £150 net. Further particulars from Bleasdale, Ltd., York.

AS a going concern, fixtures, stock, and connection of established Business of Chemist and Druggist; situate within five miles of Manchester. Apply, H. B. Leah, Incorporated Accountant, 9 Warren Street, Stockport.

BUSINESS for Disposal in S.W. London Suburb; growing neighbourhood; returns under unqualified manager £8 to £10 per week; Panel Chemist badly needed; excellent shop, well fitted and stocked, and with good house and garden; price £250, for which there is good value. 2/18, Office of this Paper.

CHEMIST'S, Stationers's, etc.; country town in the South of England; old-established business, showing good profit; £500 only; stock and fittings at valuation. Reply, 281/11, Office of this Paper.

GOOD-CLASS Dispensing and Retail Business in residential suburb of Liverpool on Cheshire side; returns about £2,300; very little Insurance work; well stocked; net profit £600; price £1,600. Apply, "Pharmacy" (2/2), Office of this Paper.

THRIVING Chemist's Business; Dental and Optical; turnover over £1,500; for Sale, or will consider Partner. Address, "War" (2/03), Office of this Paper.

AGENCIES.

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EGYPT.—Agency wanted by capable man, established connection amongst Physicians and Pharmacists, to introduce novelties in Medical and Pharmaceutical goods; 16 years' residence in country. J. MacGregor, 3 Rue Cléopatra, Alexandria, Egypt.

E. H. NAPPER

(Minor Qualification).

101/1 Clive Street, CALCUTTA

Desires to Represent a FIRST-CLASS Wholesale House in DRUGS AND CHEMICALS and one or two AGENCIES in well-advertised Specialities.

CORRESPONDENCE INVITED.

FOR SALE.

FOR Sale, the entire Fixtures of a Chemist's business, comprising Counters, Counter Cases, Wall Cases, Wall Fixtures, Shop Rounds, Dispensing Counter, etc.; to be sold cheap to immediate purchaser. Apply, J. & J. Thompson & Co. (Ashton-under-Lyne), Ltd., 291 Stamford Street, Ashton-under-Lyne.

NATIONAL Cash Register (second-hand) going cheap, with self-totalling device and printing attachment; in perfect order. Write, "H. C.," 14 York Road, Battersea, S.W.

BUSINESSES WANTED.

ADVERTISER wishes to Purchase a good Mixed Business at once; cash ready; any district. Full particulars to 3/3, Office of this Paper.

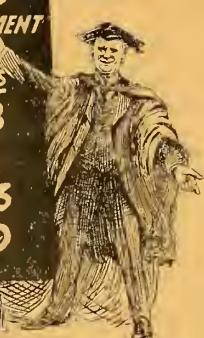
PHARMACIST requires Retail Business, London or Suburbs, showing net profit of about £150 per annum; payment £50 down and balance by arrangement. Particulars, in confidence, 2/37, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK OCT. 10 1914

NATURE OF ADVT.	REPLIES
SIT. VACANT	38
MANAGER	31
ASSISTANT	23
" " "	19

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BIRMINGHAM.—Experienced Assistant, 25-30, unqualified, required for good-class Dispensing and Photographic business; outdoors; no Sunday duty; must be capable of taking charge occasionally. State age, height, and salary required, Marshall Bros., Rexall Pharmacy, Moseley.

BOLTON.—Qualified; outdoors; good Dispenser and Countermand; permanency. State age, height, and salary required, enclose photo if convenient, Charles Crane, Ltd., Daubhill Pharmacy, 235 & 237 St. Helens Road, Bolton.

BRIGHTON.—Unqualified Assistant, about 24, for good-class Dispensing business; outdoors. Apply, with full particulars and salary required, to J. Miller, 4 Victoria Road, Brighton.

BRISTOL.—Qualified Junior (21-23) in good-class Dispensing business; light duties; comfortable home. Apply, stating previous experience, height, and salary, with photo if possible, to E. Maish, Chemist, Cotham Brow, Bristol.

CREWE Shop.—Qualified Junior, about 24; Mixed Country business; good Salesman and Dispenser; hours 8 to 8.30, Wednesday 8 to 1, Friday 8 to 10, Saturday 8 to 11; no Sunday; salary 50s. to commence. Apply first letter, with full particulars, photo if possible, and references, Galloway, Blackpool.

DERBY.—Junior Assistant wanted for good-class Dispensing business. State age, salary required (indoors), and reference to H. Monkhouse, Chemist, Derby.

EASTBOURNE.—Junior (outdoors) wanted, early in November, with Dispensing experience; good hours. State usual particulars and photo if possible, G. A. Harner, 47/49 South Street, Eastbourne.

HALIFAX.—Required, smart Assistant; must be good Countermand and Window-dresser; one accustomed to Store business and having some knowledge of Photography preferred; outdoors; no duty. Apply, stating age, height, experience, and salary required, to Taylors (Northern), Ltd., 4 Crown Street.

HULL.—Wanted, Junior Assistant (outdoors), used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, C. H. Kirton, Pharmaceutical Chemist, 197 Coltman Street, Hull.

LANCASHIRE.—Qualified man, elderly but active, N.H.I. experience, to live out. State age, lowest terms, references, etc. (permanency), 4/017, Office of this Paper.

LEYTON.—Smart young Assistant (outdoors) wanted in about a fortnight for quick middle-class trade. T. H. Seed, Pharmacist, Leyton.

LONDON.—Exceptional opening for a smart young unqualified Junior; must have had Dispensing experience and be desirous of making progress in the profession; age about 21. State salary desired to commence with, 126/220, Office of this Paper.

LONDON, N.—Wanted, an Assistant requiring time to study; must be quick and accurate Dispenser and well recommended. T. Byass-Jones, 331 West Green Road, Harringay, N.

LONDON, N.W.—Junior wanted; outdoors; two kept; good experience to be obtained in Dispensing and Retail. Apply personally, or by letter, with photo, giving full particulars, to C. Coutts Michie, 175 Kentish Town Road, N.W.

LONDON, N.W.—Good Junior Assistant (outdoors) for good-class Dispensing business. Apply, stating age, height, experience, and salary required, if convenient enclose photo, Davies, Pharmacist, 567 Finsbury Road, Hampstead, London, N.W.

LONDON, S.W.—Outdoor Junior Assistant wanted for good-class suburban business in Clapham district. Send usual particulars and enclose photo, or call personally, R. Banbury, Chemist, 590 Walworth Road, S.E.

LONDON, S.W.—Reliable Assistant wanted, about 24 years of age; outdoors; three afternoons (1 to 6) and one evening off duty weekly; alternate Sunday evening duty 6 to 9.30. Apply by letter to Evans, 72 North Side, Clapham Common, S.W.

LONDON, S.W.—Competent Assistant required, of good appearance and address, for Dispensing business. Apply, giving full particulars, to E. W. Hill, 240 Earl's Court Road, S.W.

LONDON, W.—Suburban.—Wanted, smart young qualified man, capable of taking charge of Drug Department in good-class business; good hours; live off premises; no Sunday duty. Apply, 1/37, Office of this Paper.

LONDON, W.—Two Assistants required for typical West-End Dispensing establishments; opportunities for men capable of good Dispensing to acquire really good berths; age about 24; need not be qualified; outdoors; immediately. Apply, Maitland & Lindley, 10 Chester Place, Hyde Park Square, W.

LONDON, W.—Qualified Assistant wanted; age 22-25. Written applications only in first instance, J. R. Walker, 36 New Cavendish Street, W.

LONDON, W.—John F. Harrington, 15 Kensington High Street, requires an experienced Assistant as Junior. Apply, stating full particulars, together with age, height, and salary required (outdoors), also when disengaged, and enclosing photo (to be returned).

MANCHESTER.—Qualified Assistant wanted, age between 25 and 30; outdoors; please state salary required, experience, etc. Apply to "S." c/o Quilliam & Co., Ltd., Canterbury Works, Victoria Bridge, Manchester.

MANCHESTER.—Wanted, a qualified Dispenser, accustomed to high-class business only. State in full experience, age, and salary expected, 3/21, Office of this Paper.

MIDLANDS.—Manager required for brisk Cash business; must be first-class Countermand and keen business man; liberal interest in the profits offered to suitable applicant. State age, whether married, and earliest date at liberty, 126/22, Office of this Paper.

PETERSFIELD, Hants.—Junior for good-class Light Retail and Dispensing business; knowledge of Photography preferred; easy hours and very light Sunday duty. Send full particulars and references and state salary required, A. G. Reid, Petersfield.

PONTEFRAC.—Assistant wanted for quick General business, Dispensing and Counter; one used to making B.P. preparations, etc.; wages 30s., rising to 35s. Full particulars to A. Collins, The Rexall Chemist, Pontefract, Yorkshire.

RAMSGATE.—Unqualified Assistant, about 22, wanted at once for high-class Retail and Dispensing business. State age, height, experience, and references, and enclose photo in first letter, Holmes, 8 Grange Road.

S. WALES.—Experienced Assistant required; outdoors; hours 8.30 to 8.1 o'clock Wednesday; no Sunday duty; Welsh-speaking preferred, but not essential. Apply, with full particulars, to Williams, Ph. Chemist, Macsteg, Glam.

WIMBLEDON, S.W.—Assistant, about 24; indoors; moderate hours; good-class business. Apply or write, if latter enclose photo, Rex Blanchford, Chemist-Optician, 76 High Street, Wimbledon.

WORTHING.—Assistant, aged 24-28, unqualified, with good Dispensing experience, at once; outdoors; state salary, photo if possible, all particulars in first letter; Lady Dispenser (Minor qualification) entertained. H. Reynolds, Chemist, West Worthing.

RELIABLE and competent Assistant wanted; outdoors. Apply personally, or by letter, Lloyd, 267 King's Road, Chelsea, S.W.

ASSISTANT wanted, about 22, for good-class Light Retail and Dispensing business; outdoors. Please give full particulars, age, height, salary required, etc., to Palmer, Pharmacist, Oxford.

ASSISTANT wanted (outdoors) for a good-class Dispensing and Family business. Apply, stating age, height, experience, salary, and photo if possible, to Jeffrey & Son, Pharmacists, Pittville, Cheltenham.

ASSISTANT, unqualified, about 22, for Family, Retail, and Dispensing business; Liverpool experience preferable. Apply, stating full particulars, age, height, references, and salary required (outdoors), to W. Ashworth, 12 Seaforth Road, Seaforth, Liverpool.

ASSISTANT required at once (outdoors) for good-class Business. Apply, with full particulars and salary required, to S. F. Barker, 46 Chesterton Road, Cambridge.

AT Once.—Manager, with view to purchase; compact Drug Stores at Streatham, S.W.; doing £10 a week, increasing; opened about seven months only. 4/16, Office of this Paper.

CHEMIST.—Qualified man wanted for Birmingham; must be thoroughly experienced in the Photographic and Heavy trade. Address, 277/25, Office of this Paper.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry, if any, if married what family, class of business and hours used to, salary required, when disengaged, references, photo, Foster, Irydale, London Road, Portsmouth.

COUNTRY Town.—Wanted, Male Dispenser and Surgery Attendant, also to keep books; hours 9-12, 2-4, and 6-8; Sundays 10-11 a.m.; Thursday night free. Apply, stating salary required, Dr. Deprce, Leek, N. Staffs.

DISPENSER.—Part-time man wanted to assist in Dispensing; very easy hours; suit Minor Student. Apply, giving particulars as to age, experience, salary required, etc., to Secretary, Friendly Societies' Medical Institute, Luton, Beds.

ELDERLY, Minor qualification, wanted for London, E., to assist in Dispensing and Pricing N.H.I. Prescriptions only; comfortable berth; outdoors; hours 10 till 9, with 1½ hour for dinner and 1 hour for tea. State wages required and full particulars to 3/25, Office of this Paper.

ELDERLY qualified Chemist required, mainly for N.H.I. Dispensing; comfortable and permanent berth. State age, salary required, 126/022, Office of this Paper.

IMPROVER or Junior wanted; outdoors; one accustomed to Agricultural business preferred. Apply, with full particulars of experience, age, and salary required, to Gostling & Co., Chemists, Diss, Norfolk.

JOHN BARKER & CO., Kensington, W., require a Counter Assistant and Junior Dispenser; hours 8 to 6, 1 o'clock Saturdays. Apply, R. E. Baron, Chemist.

JUNIOR Assistant for good-class Pharmacy wanted at once; easy hours; ample time for study. Apply, enclosing photograph, to Downing, Chemist, Launceston.

JUNIOR.—Capable Junior wanted; duties chiefly Dispensing; no late hours or extra duty; Sundays free. Wallis, Ellesmere Port.

JUNIOR Assistant required for middle-class Retail, Dispensing, and Photographic business; N.H.I. State age, experience, height, and salary (outdoors); Stokes, Chemist, Eastville, Bristol.

JUNIOR Assistant required at once in good-class Dispensing business. Thomas Lunn, Barbourne Pharmacy, Worcester.

JUNIOR Assistant wanted; outdoors; good-class business. Apply, with full particulars, Buxton & Grant, 176 Whiteladies Road, Bristol.

JUNIOR or good Improver for quick medium-class Retail and Dispensing business; must have had some experience in Dispensing; to commence about 26th inst.; personal application preferred. Gigner & Co., 160 King's Road, Chelsea, S.W.

JUNIOR or Improver, about 20; indoors, in high-class Dispensing and Family business; one with a knowledge of Photography preferred. State age, experience, salary, height, and reference, enclosing photo if possible, to H. Dixon, Pharmacist, 1 Russell Gardens, Holland Road, Kensington, W.

JUNIOR Assistant or Improver wanted; one whole day a week off; N.I. Dispensing. Send full particulars and salary required to Lord & Co., Cash Chemists, 547 Barking Road, Plaistow, E.

JUNIOR, with some experience, for good-class Store trade, at once. Usual particulars, Durbin's Drug Stores, 112 North End, Croydon.

LADY Assistant, with good Counter and Dispensing experience, required in good-class Country business. In reply please state age, height, experience, salary required (outdoors), when disengaged, and photo (if convenient), to Ennals, The Rexall Pharmacy, Stamford, Lincs.

MANAGER (unqualified) for South Coast up-to-date Store business; must be good Salesman, Window-dresser; smart appearance; knowledge of Optics an advantage, but not essential; progressive salary and profit sharing; character must bear strictest investigation; applications treated in confidence. Full particulars first letter, "Drugs," 6 Wilbury Crescent, Hove.

MESSRS. E. C. PERKS & CO., 1 Sloane Square, S.W., require a young qualified Assistant; indoors; three kept; a thorough knowledge of Dispensing essential.

OPTICAL and Photographic Assistant (about 23) required for provinces; must possess a good general knowledge of Photography and Sight-testing; excellent opportunity for improvement. Full particulars, salary, photo, to 5/2, Office of this Paper.

PART-TIME Assistant required in good-class Retail and Dispensing business (London, N.W. district); half-days, etc.; would suit student. Apply, giving particulars as to age, height, experience, salary, to "Pharmacist" (3/24), Office of this Paper.

QUALIFIED Assistant required, November 5; outdoors; not under 25; must be a good Dispenser. Apply, stating age, height, salary required, and photo, Charrington, Chemist, Lichfield, Staffs.

QUALIFIED Assistant wanted immediately; good Dispensing experience essential. Apply, "W. H. McC.", Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C.

QUALIFIED Assistant, age about 25, with good experience, for a London business. Apply by letter, enclosing photo if possible, to "Maximum," c/o S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

REQUIRED shortly, outdoor Assistant; abstainer; easy hours; must be able to produce satisfactory references. Apply, with full particulars, to "Chemist" (2/20), Office of this Paper.

SENIOR qualified Assistant for high-class Dispensing business; must have had good experience. Apply, H. B. Sharman, Pharmacist, Northwood.

SMART, unqualified Assistant for Counter in high-class Pharmacy in Yorkshire; must have had good experience. Apply, giving full particulars, enclose photo, and state salary required (outdoors), "Veritas" (4/5), Office of this Paper.

WANTED, a Junior Assistant for a Dispensing and General business. Address, giving the usual particulars, Edward Harrison, 19 Azalea Terrace North, Sunderland.

WANTED, at once, an experienced Assistant for working-class shop; quick trade; Dispensing; one not afraid of work; hours about 56 per week. Apply, Izoa, Pharmacist, High Street, Aston, Birmingham.

WANTED, end of October, good Junior, with knowledge of Photography preferred; must be energetic and a good Counterman. Photo and full particulars to E. Gerrish, Pharmacist, Bideford, N. Devon.

WANTED, a competent Assistant, not under 25; must be a good Extractor; knowledge of Photography useful; state age, salary required, and recent reference. Apply, "W. T. T.," The Medical Hall, Dartford, Kent.

WANTED, Manager for high-class Dispensing and Retail Branch business, with view to purchase on favourable terms if desired; good experience and undeniable references required. Reply, giving full particulars of experience, height, salary required, and including photo, to Handford & Dawson, 1 Station Bridge, Harrogate.

WANTED, S. Wales, Junior or good unqualified Assistant; one whom one can thoroughly trust to look after good, busy Chemist's business; permanency if suitable. Address in first place, sending photograph and references, and salary required, to "Constantus" (2/3), Office of this Paper.

WANTED at once, gentlemanly Junior or Improver for high-class Dispensing and Retail; comfortable indoor berth. State salary to Wynne Tighe, Chemist, 3/4 High Street, Exeter.

WANTED, Dispenser (single), capable of doing Minor Surgical Dressings, for Military Hospital, Newhaven; pay 6s. a day, with rations and lodging. Apply, stating qualifications, experience, and references, to Medical Officer in Charge.

WANTED, immediately, reliable unqualified Assistant; outdoors; used to Dispensing and good-class Cash trade; London experience not essential. Reply, with full particulars as to age, height, salary required, and references, to Cave, Austin & Co., Ltd., 164 Rushey Green, Catford, S.E.

WANTED, qualified Assistant; sleep indoors. Apply, R. S. Starkie, 126 Strand, W.C.

WHOLESALE.

LONDON, S.W.—Required, young man, used to the Patent Medicines and Sundries trade, for West-End Warehouse. Write, stating full particulars of experience and salary required, to 859, Sell's Advertising Offices, Fleet Street, E.C.

LONDON Manufacturing firm require a young qualified Chemist; salary £2 2s. weekly to commence. Write, stating full particulars of previous experience, 281/40, Office of this Paper.

COST Clerk, age about 25, wanted in Export Druggists; one who has had good experience in working out costs and in preparing estimates. Apply, with fullest particulars and salary required, to 122/18, Office of this Paper.

COUNTER hands, aged about 20, wanted for the Wet and Dry Floor of a London Wholesale house. State previous experience, age, and wages expected to 5/31, Office of this Paper.

FIRST-CLASS Representative wanted, accustomed to calling on Chemists for Toilet Soaps and Perfumery; state full particulars of previous experience, age, salary required, etc. Reply, 123/62, Office of this Paper.

LABORATORY.—Man, aged about 25 or under, with experience in the Manufacture of Chemical Syrups, Ointments, Liquors, etc. Full particulars of previous situations and wages expected to 5/031, Office of this Paper.

PILLS.—Pill-maker wanted, with all-round experience. State age, experience, and wage required to 1/38, Office of this Paper.

SURGICAL Sundries.—Wanted, for the provinces, experienced man to control Surgical Sundries Department. State age, experience, and salary required, 124/65, Office of this Paper.

WANTED, Traveller, on commission, calling on Chemists, Midlands and South of England; connection already established. Apply, Whitaker & Co., Colour Works, Kendal.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

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[HOME.] RETAIL.

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A CHEMIST (28), with undeniable credentials and wide experience, desires position as Dispenser or Assistant; single; steady and responsible; able to Prescribe; has knowledge of Photography. Wilson, 2 Brunswick Square, W.C.

A LADY Assistant, 7 years' Retail experience, disengaged. Apply, "F. M. L." (2/19), Office of this Paper.

A N elderly qualified Chemist is open to an engagement in Store, shop, or Dispenser to Surgeon; South side for choice; moderate salary for moderate hours. 281/39, Office of this Paper.

A PPOINTMENT sought by experienced Lady Dispenser (Hall) with Doctor, Chemist, or Institution. Paterson, Hampton Bishop, Hereford.

A ROUND London.—Relief, Dispenser, etc.; Dental or Optical work executed on moderate commission; highest references. "Relax" (4/10), Office of this Paper.

A SSISTANT, unqualified, 23, tall, good appearance, 5½ years' Dispensing and Front Counter experience, Photography, at present engaged in Ireland, desires change to England; highest references. 280/36, Office of this Paper.

A SSISTANT; qualified; 27; tall; abstainer; 6 years' Dispensing and Counter experience; Photography; outdoors; Manchester preferred. Apply, 281/20, Office of this Paper.

A SSISTANT; single; unqualified; Dispensing and N.I. Counter; Extractor; Midlands preferred. "Nitrogen" (3/34), Office of this Paper.

A SSISTANT or Manager, with view to early succession; Mixed business; or as Locum; unqualified, but can make Ltd. Co. if necessary. 3/03, Office of this Paper.

A SSISTANT; 25; 10½ years' good-class experience; disengaged October 24; unqualified. 2/12, Office of this Paper.

A SSISTANT; 31; experienced; Counter, Dispensing; reliable; disengaged. "Helicon," 54 Kinross Avenue, Plymouth.

A SSISTANT or Manager; 40; Optics, Photography. "Pharmacist," 5 Fielding Road, West Kensington.

A SSISTANT (24), unqualified, desires change; Dispensing, Counter, and Photography; good Window-dresser. "A. I.," 115 Kolverlow Street, Oldham.

A SSISTANT; unqualified; 24; tall; good Counter and Dispensing experience; knowledge of Continental Pharmacy; free next week; London and district. H. Golstueck, 50 Tweedy Road, Bromley, Kent.

A SSISTANT; 25; 9 years' experience; Dispensing and Optics; London; outdoors. "Salol," 168 Kentish Town Road, N.

A SSISTANT, good; London experience; disengaged. 5/39, Office of this Paper.

BELGIAN desires situation at once in English Pharmacy or Wholesale Drug house; 34; 15 years' experience in Antwerp. J. Van der Vecken, 57 Eastwood Road, Streatham, S.W.

BELGIAN Pharmacist from Antwerp desires situation at once in an English Pharmacy or Wholesale house. References and all particulars, "C. B.," c/o May, Roberts & Co., Clerkenwell Road, E.C.

BRANCH Manager or Assistant; London only; unqualified; single; abstainer; 42; 5 ft. 10 in.; good references; disengaged; salary reasonable. "Hodie," 10 Alfearn Road, Clapton, London.

BRANCH Manager or Senior Assistant; unqualified; 35; married; accustomed to control; experienced Dispenser and Prescriber; exceptionally complete knowledge of Photographics; good Counterman and Window-dresser; tall; good appearance and address; 5 years present situation; permanency desired; war cause of change. 3/17, Office of this Paper.

DENTISTRY taught; can help in shop; own appliances. 280/30, Office of this Paper.

DISENGAGED.—Managership, with view to succession preferred; married; 30; qualified; London and Provinces experience. "Optics," c/o 22 Hills Road, Cambridge.

DISENGAGED; age 35; married; Manager or otherwise; Locum or permanency; unregistered. "Rhoi," 36 The Quadrant, Richmond, Surrey.

DISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

DISPENSER (25) requires evening employment for three hours, 7-10. Apply, 105 Bartholomew Road, Kentish Town, N.

DISPENSING; two or three afternoons or evenings weekly; lady; qualified; experienced. "E. B.," 140 Green Lanes, Stoke Newington, N.

EXPERIENCED Dispenser and Dresser (26) seeks situation; in present situation six years; please state wage. "E. Q. L." (4/12), Office of this Paper.

EXPERIENCED, qualified man (41), in indifferent health, but active; permanency in useful capacity; moderate or small salary; single. "Phenol" (2/34), Office of this Paper.

EXPERIENCED Counterman, Dispenser; 39; unqualified; married. Field, 125a Murray Road, S. Ealing, W.

EXPERIENCED; unqualified; short hours or Part-time. "Chemicus," 14 Selwyn Avenue, Highams Park.

IMPROVER; age 21; 4 years' Hospital experience; capable Dispenser; well recommended; anxious for Retail experience. "Urisol" (281/5), Office of this Paper.

JUNIOR (21) requires situation; Photographic, Dispensing, and Counter experience. 3 Clayton Street, Skelmersdale.

JUNIOR (18) seeks situation with Dispensing Chemist; three years' Drug experience. Apply, 3/20, Office of this Paper.

JUNIOR, Lady Assistant; 4 years' General, Counter experience; age 20; used stock, books, windows, etc.; London only. 2/13, Office of this Paper.

JUNIOR; 4 years' experience in high-class Dispensing and Retail. "H. P.," 17 Paragon, Bath.

JUNIOR, 21, unqualified, disengaged, desires engagement. T. Wellspring, 15 Burgess Street, Limehouse, E.

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QUALIFIED; disengaged 26th; West-End experience. "Rhei," 50 Foxley Road, Brixton, S.W.

QUALIFIED; Manager or Locum; experienced; disengaged. W. Peacock, Severn Terrace, Newport, Mon.

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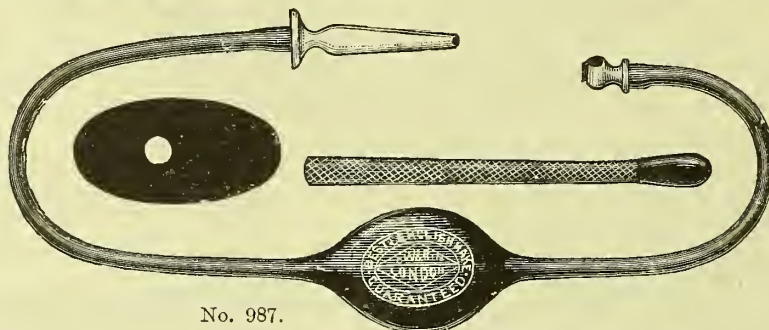
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We are the right House for **BRITISH-MADE GOODS**—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheetting, and every description of Rubber and Vulcanite Goods.**ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.****BURGE, WARREN & RIDGLEY, LTD.,**
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

RENDELL'S

SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

Registered
Trade Mark, 
without which
none are genuine.
No. 182,688.

W. J. Rendell
No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

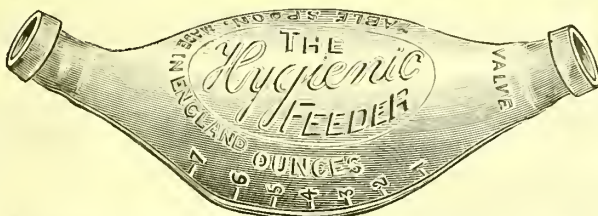
IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

Particulars:

Guaranteed English made. Special annealing process which allows the bottle to be immersed in hot water. Correctly graduated. Special lip to securely grip teat and valve.

**Price:**

30/- gross. Carriage paid on 2 gross lots in United Kingdom. Packing free.

2/9 dozen. Carriage forward.

Cash with Order. Sample on application.

HENRY SAMSON,

STONEHAM GLASS WORKS, Stoneham Road, Upper Clapton, N.E.

Telephone: Dalston 2935.

Corks for Chemists

NATIONAL INSURANCE CORKS.

6 & 8 oz., 1 in. long, at 4½d. per gross.
50 gross bag post free for 11/-

Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,
"Bouchon" Works,
Limehouse, London, E.

THE BRYTSTELE OUTFIT

For Safety Razors

Safety Razors kept in a Brytstele Bath do not require to be taken apart for cleaning or drying. Brytstele Solution keeps blades sharp for at least two months without stropping. Blades and Holders are kept bright, antiseptic, and free from rust.



ATTRACTIVE OUTFITS AS ILLUSTRATED.

Retail 1s. 6d. each...	Trade 13/- doz.
Refill Bottles (4 oz.)	
8½d. each ...	5/6
Refill Bottles (10 oz.)	
1s. 4d. each ...	11/-

Carriage paid on dozens only.

Good Showcards, etc.

THE BRYTSTELE Mfg. Co., 62 Oxford St., London, W.

The Original and only Genuine

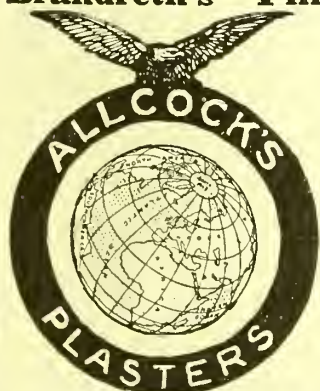
Allcock's

POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and
Bunion Plasters
Brandreth's Pills

The
Thron
Rollables.



A HANDSOME
SHOWCARD
will be sent
free of cost
and post paid
on application.

ALLCOCK
MANUFACTURING
COMPANY

22 Hamilton Sq.,
Birkenhead.

"Sold all round the World"



THE RAT IN WAR TIME

is just as prolific and destructive as in times of peace. Hence the necessity of keeping a first-class Rat Poison—"Rodine"—continually in a prominent place. Showcards that sell "Rodine" also Handbills with your name and address can be had on request.

"RODINE" RAT POISON

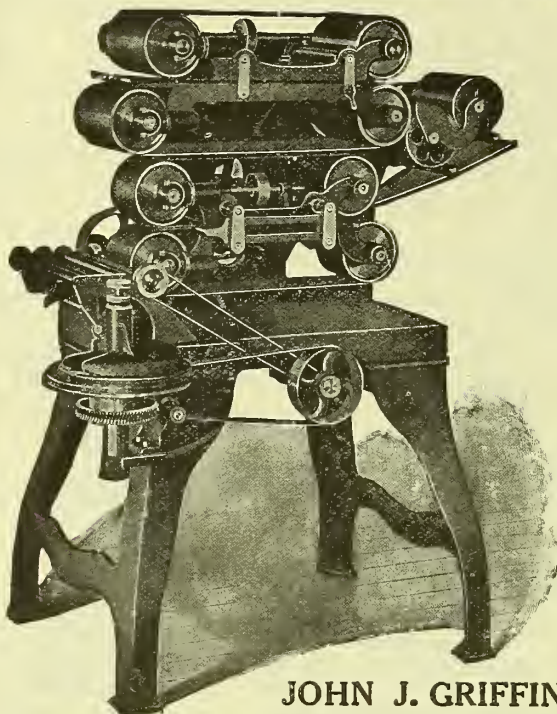
Mr. TOOHIG, Chemist, Narberth, writes:—"I almost daily receive praise of the effects of 'Rodine,' ESPECIALLY FROM FARMERS."

For immediate option of Sole Agency apply to the Maker:

HARLEY, Manufacturing Chemist, **PERTH,** Scotland.

EXPORT AGENTS—

TOZER, KEMSLEY & FISHER, Ltd., 84 Fenchurch Street, London, E.C.

COLTON'S PHARMACEUTICAL MACHINES.**PILL MACHINERY.**

COMPLETE PLANTS INSTALLED.

**Mass Mixers
and Rollers.
Gelatine Coaters.**

Machines can be seen
at Griffin's Showrooms.

LISTS FREE ON APPLICATION.

JOHN J. GRIFFIN & SONS, Ltd., Kingsway, W.C.

Patent 6916.

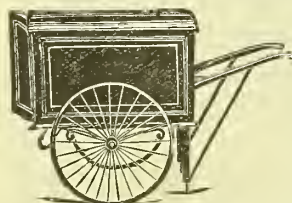
**TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.**

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:—

For producing up to	
1½ gallons per hour,	£3 10 0
" 5 " "	£10 0 0
" 9 " "	£12 10 0
" 15 " "	£16 10 0

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science, 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital, Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc.

Pamphlets & particulars forwarded on application
Estimates submitted free if required
for supplying and fitting complete.
BROWN & SON, Muriel St., King's Cross, London, N.

CHEMISTS' HAND-CARTS,

finished in any desired colours
are one of our most popular
lines of manufacture.

We are also makers of
Trucks and Trolleys

of all descriptions for Home
and Export, for which we have
won a world-wide reputation.

For Illustrations and Prices write
CREWE & CO., 1 Crown Point Rd., & Hunslet Lane, LEEDS.
And 322-4 Gray's Inn Road, London, W.C.



BY APPOINTMENT.

THOMAS TILLING

Limited,

**Motor Engineers, Haulage
and Government Contractors.**

Chief Office:

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Are prepared to give quotations for
1 ton PETROL VEHICLES
2 ton PETROL VEHICLES
4 ton PETROL VEHICLES
5 ton STEAM VEHICLES,
with or without
3 ton TRAILER ATTACHED,
for any period.

WE TENDER THANKS TO
PHARMACEUTICAL PATRIOTS
 — FOR THEIR ORDERS FOR —
CHELTENHAM
NATURAL APERIENT WATER.

The increased demand is taxing bottling resources to the utmost, but additional plant is being installed and every effort being made to execute orders fully.

We still offer the 1/- bottles at 9/- per doz. carr. paid, but orders must be executed in strict rotation.

The CHELTENHAM NATURAL WATER Co.
 (Branch of United Chemists Association, Ltd.), **CHELTENHAM.**

A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

VINUM AURANTII, B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only)

London Agent: **JAMES STIRTON, 43 GREAT TOWER STREET, E.C.**

SODA-WATER MACHINERY.

By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.

THE "COMPACT" MACHINES

are specially designed for
CHEMISTS, GROCERS, RESTAURATEURS.

and everyone to whom space is an object,
 and can be used for filling Syphons, Codd's
 Bottles, or Cork Bottles.

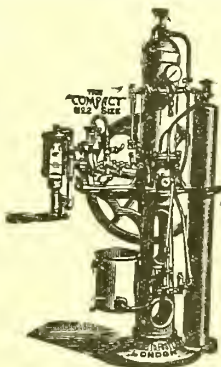
OCCUPY LITTLE SPACE!

ARE READY FOR USE IMMEDIATELY!

REQUIRE NO FIXING!

Produce Soda Water, Lemonade, &c., of the
 highest class and greatest purity.

Write for Catalogue.



A COMPLETE APPARATUS —
CAPABLE OF PRODUCING OVER
300 DOZEN LARGE BOTTLES
OF AERATED WATER PER DAY
— FROM £20.

Bottles, Boxes, Essences, and all
 Requisites for the Trade at
 Lowest Prices.

BARNETT & FOSTER, Niagara Works, 26th Eagle Wharf Road, N.

Proprietors of Galloway Bros., Bolton.



with Quinine
Requires NO license

when sold by Registered Chemists and Druggists.

The Excise Authorities and the Law say so!

On Saturday, July 4, 1914, the Recorder at the Bradford Quarter Sessions **ALLOWED AN APPEAL** by Mr. Oliver Hobson, manager to Messrs. Savage & Co., Ltd., Chemists, of 658 Manchester Road, Bradford, against the decision of the Bradford Justices who had previously fined Mr. Hobson £3, and costs, for selling Wincarnis with Quinine without a wine license. In allowing the appeal, with costs, the Recorder said that **the conviction was wrong.**

It is, therefore, an established fact that

NO LICENSE IS REQUIRED
to sell
WINCARNIS with QUININE

HOW IS YOUR STOCK?

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH

The Wigglesworth Way

OF CREATING A DEMAND FOR
PINE INHALANT

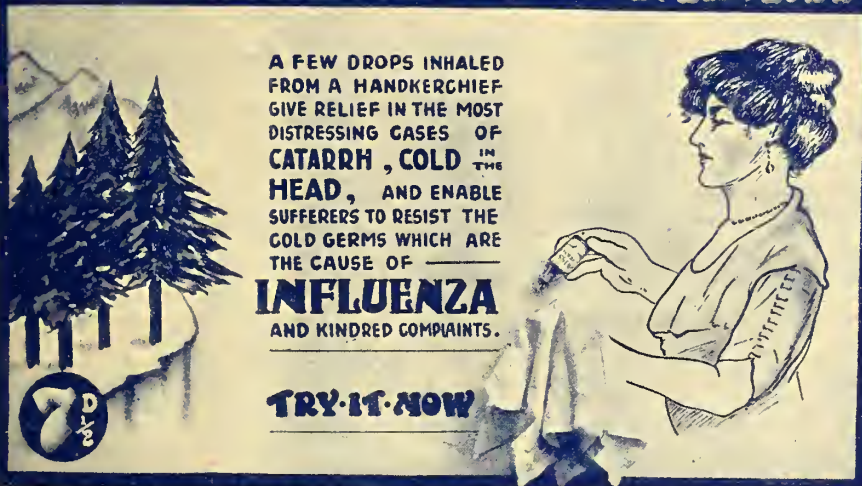
SWISS PINE INHALANT

MAKE
A
SPECIAL
DISPLAY
IN YOUR
WINDOW.

A FEW DROPS INHALED
FROM A HANDKERCHIEF
GIVE RELIEF IN THE MOST
DISTRESSING CASES OF
CATARRH, COLD IN THE
HEAD, AND ENABLE
SUFFERERS TO RESIST THE
COLD GERMS WHICH ARE
THE CAUSE OF
INFLUENZA
AND KINDRED COMPLAINTS.

TRY IT NOW

SEND
YOUR
ORDER
NOW!
IT WILL
PAY YOU.



30x22 HAND-PAINTED CARD
supplied with gross orders.

Your Opportunity!

The man in the street has
caught a cold. He's on
the look-out for a cure.
Dress your window in the
WIGGLESWORTH WAY
and you'll catch him!

**Diamond Pine Tar
Inhalant**



THE BEST INSURANCE
Against **Cold in the Head,** Influenza, etc.
CURES LIKE MAGIC.

**SWISS PINE
CATARRH CURE.**



CURES INFLUENZA.
CATARRH COLD IN THE HEAD
SOFT THROAT, HOARSENESS, ETC.
BY INHALING
FROM A POCKET HANDKERCHIEF.
THE ALPINE
PINE CONDENSED ESSENCE

These salesmaking Window Cards, along with
Special Show Boxes, supplied free of charge.

**PINE-AID
CATARRH CURE**

Inhale from a Handkerchief

You Breathe the Antiseptic Soothing and Healing
Properties of the Pine, Myrror and Eucalyptus
Essence into the Throat and Nasal Passages
CURING NASAL CATARRH COLD IN THE HEAD & INFLUENZA



THE QUICK CURE
NASAL CATARRH
COLD IN THE HEAD
INFLUENZA, ETC.

**SWISS PINE
CATARRH INHALANT.**

Try It
Now!

A Few Drops Inhaled
from a Handkerchief
give relief in the most
distressing cases of Nasal
Catarrh and enable
sufferers to resist the
cold germ which is the
cause of Influenza and
Kindred Complaints.



PINE CATARRH CURE

Repels Influenza Germs.

The Quick Cure for
NASAL CATARRH -
COLD IN THE HEAD -
SOFT THROAT -
INFLUENZA, ETC.

IN 10 MIN. COLD GERM
KILLED BY PINE ESSENCE
As in using Pine Catarrh Cure

You Simply Inhale It
From a Handkerchief



WIGGLESWORTHS ROSEHILL WORKS. BOLTON

TO WHOLESALE & EXPORT TRADES.

ESTABLISHED 1846.

Extracts
Tinctures in Bond**RANSOMS**Resins
Essential Oils**WILLIAM RANSOM & SON, LTD.,**

MANUFACTURING PHARMACEUTICAL CHEMISTS.

Distillers of Essential Oils and Cultivators of Medicinal Plants,

HITCHIN, near LONDON.

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A guarantee **Cadbury's Cocoa Essence** *(unflavoured)*
is absolutely pure & prepared only from the finest selected Cocoa

50 YEARS' REPUTATION.**FENNINGS' CHILDREN'S POWDERS.**

ADVERTISED EVERYWHERE.

READY SALES.

A supply of Fennings' "EVERY MOTHER'S BOOK" or Counter Bills (both with Agent's Name and Address),
 or Showcards, sent carriage free on application to

ALFRED FENNINGS, COWES.

Good Lines for Winter

WHATEVER happens on the Continent—whether victory tarry or come swiftly—there are many things which people *must* buy this Winter—many lines which the Chemist can purchase in the certainty that there will be little slackening of demand. Necessarily the Public will buy more carefully than ever—will insist strongly on quality and value, but the selection of your Winter goods from our List will ensure completest satisfaction to all concerned.



Cod Liver Oil Emulsion.

This is an extremely palatable emulsion, and contains 50% of the finest Norwegian Cod Liver Oil. Packed in attractive cartons, it sells very readily, and the price is unquestionably a low one.

8 oz., 6/-; 14 oz., 10/6 doz.

Chemical Food.

Our Chemical Food, which is prepared carefully from the original formula, is very popular with the Chemists of the North. The carton illustrated (reserved to Chemists exclusively) is a very fine one indeed—a splendid help to quick sales.

4oz., 4/-; 8oz., 6/-; 16oz., 11/6 doz.



Malt Extract.

Malt Extract is always in excellent demand during the Winter, and a preparation of this quality will ensure you a good share of the trade. In special jars with patent lids. With or without Cod Liver Oil (B.P.C. standard).

6 oz., 5/6; 12 oz., 8/6 doz.



Norwegian Cod Liver Oil

We guarantee this to be the finest Lofoten Oil. Very attractively packed, with handsome label. 6d. per dozen extra if packed in cartons.

4oz., 3/-; 8oz., 5/-; 16oz., 9/- doz.

Send for a copy of our Illustrated Quarterly

List (Packed Goods, Patents and Sundries).

GOODALL, BACKHOUSE & CO., LEEDS.